State of New Jersey
Department of Environmental Protection and Energy
Division of Publicly Funded Site Remediation
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Anthony J. Farro
Director

APR 27 1993

M E M O R A N D U M

TO: DISTRIBUTION

THROUGH: DENIS J. PRINCE, P.E., SECTION CHIEF DJP
BUREAU OF CONSTRUCTION

FROM: JESSE ROBBINS, CONSTRUCTION MANAGER DJP for
BUREAU OF CONSTRUCTION

SUBJECT: COMBE FILL NORTH LANDFILL REMEDIATION
CLOSE OUT REPORT

Please find attached the Close Out Report for the Combe Fill North Landfill Remediation.

This report has been separated into two parts for distribution. The first part is the text of the report which contains sufficient useful information for most readers. The second part contains all the figures, tables, and schedules which are referenced in the report. Due to its volume, it will be distributed on a limited basis.

hs101/pz
Attachments

Distribution:	Attachment I	Attachment II
Director Farro	X	
George King/BC File	X	X
Robert Collier, BCM	X	
Robert Soboleski, BSM	X	
Grace Singer, BCR	X	
Silvina Fonseca, EPA	X	X
DEPE Central Files	X	X

APR 27 1993

CLOSE OUT REPORT

COMBE FILL NORTH LANDFILL REMEDIATION

Mount Olive Township, Morris County

October 1989 - June 1992

Prepared by:

Jesse Robbins
Construction Manager
Bureau of Construction

NJDEPE - Division of Publicly Funded Site Remediation

21 April 1993

ATTACHMENT I - TEXT

COMBE FILL NORTH LANDFILL REMEDIATION - CLOSE OUT REPORT

TABLE OF CONTENTS

I. EXECUTIVE SUMMARY

The NJDEPE Division of Publicly Funded Site Remediation (DPFSR) has completed the remediation of the Combe Fill North Landfill CERCLA site. The Combe Fill North Landfill (CFNL) site is located at 149 Gold Mine Road, Flanders, New Jersey, in Mount Olive Township, Morris County. Of the site's 102 acres, some 65 acres were used as a municipal landfill from 1966 until 1981. In 1982 the site was listed on the National Priorities List (NPL). At the time of Remedial Design the site was CERCLA listed as number 197/951 nationally and number 36/110 in New Jersey. The CFNL remediation performed by NJDEPE involved the reshaping and capping of the landfill and the provision of surface water controls. The cap was designed to conform to the requirements of a RCRA Subtitle D closure. The landfill cap was constructed with a minimum 1 foot embankment subgrade; 1 foot clay layer with maximum permeability of 1×10^{-7} cm/sec; one foot sand drainage layer with drain pipes; one and one half foot vegetative layer; six inch topsoil layer; turf; 4 surface water drainage channels; passive perimeter and point gas venting; site fencing; quarterly groundwater monitoring; and a perimeter service road. On site construction started in December of 1989 and was principally completed in December of 1990. Conti Construction Company, Inc. (Conti) was solicited through an open competitive procurement and performed the remedial construction for $16,817,884.86. Lawler, Matusky & Skelly Engineers, Inc. (LMS) was engaged through a Waiver of Advertising and provided resident engineering services for $845,819.56. The Bureau of Construction provided two full time Construction Managers to oversee and coordinate the operations of Conti and LMS. There are no outstanding design, construction, or resident engineering issues. Both the construction and resident engineering contract financial records are currently being audited by the NJDEPE Office of Audit. The audit results are not part of this report. The site is currently in the Operations and Maintenance phase.

II. INTRODUCTION

The CFNL site is located at 149 Gold Mine Road, Flanders, New Jersey, in Mount Olive Township, Morris County. This is near the junctions of U.S. Highways 206 and 46 and Interstate 80. The residential communities of Netcong Boro, to the northeast, and Budd Lake, to the southwest, are both less than two miles from the site (see figure 1). The landfill comprises some 65 acres of the 102.8 acre property. A dirt road bordered the filled area on the south and east, and several large piles of daily cover material were located to the north and west. A gasoline pump was located near the entrance to the site which implied the presence of an underground storage tank (see figure 2).

Much of the land surrounding the site is wooded; the developed areas are residential with some farming and light industry nearby. Budd Lake is a developed resort and Route 46 is highly commercialized. There were several small ponds on-site, and surface runoff drained into two small streams, east and west of the site, that are tributaries to Wills Brook, which empties into the Musconetcong River. There are two unnamed aquifers upgradient of the site which flow to the northwest: (1) a shallow, unconfined aquifer in the surficial glacial moraine deposits and (2) a deeper, semiconfined aquifer in the lower portion of the glacial deposits and upper zone of the gneissic bedrock. The two aquifers join and become one aquifer downgradient of the landfill (towards the northwest).

The CFNL began operating in 1966 for the disposal of municipal, vegetative, and industrial (non-chemical) wastes along with minimal amounts of dry sewage sludge. From 1969 to 1978 the landfill was operated by Morris County Landfill Incorporated. In September 1978, ownership was transferred to the Combe Fill Corporation which operated the landfill until January 1981 when the NJDEP denied an expansion request and operations ceased. Proper closure procedures were not implemented because Combe Fill Corporation filed for bankruptcy in September 1981. NJDEP issued several Notices of Prosecution to the landfill operators for improper intermediate landfill cover which resulted in windblown debris on and off site, contact of solid waste with ground water, and inadequate leachate control.

Public outrage at the operating practices of Combe Fill Corporation led to the formation of a citizens' group called SMOTHER (Save Mount Olive Township - Halt Environmental Rape) in 1979. This group conducted groundwater sampling around the site and pushed to have the site added to on the National Priorities List (NPL). The site was added to the NPL in December, 1982.

On November 21, 1983 NJDEP signed a Cooperative Agreement with the United State Environmental Protection Agency (USEPA) for a Remedial Investigation/Feasibility Study (RI/FS) at the site. In August, 1984 NJDEP initiated the RI/FS study. The Draft RI/FS was completed in June 1986. A public meeting to present and discuss the results of the RI/FS and the recommended alternative was held July 16, 1986.

Low concentrations of hazardous substances were found at the site during the RI. Soils, leachate, surface water, sediments, and groundwater were sampled between December 1984 and July 1985. Soils at the site were found to contain methylene chloride at 123 ppb; ethylbenzene and toluene were found in leachate at 21 ppb and 25 ppb; and hexachlorobenzene, phenol and bis (2-ethylhexyl)phthalate were found in the groundwater at the site at 3.3. ppb, 56.6 ppb, and 4.5 ppb.

The RI chemical data, which indicated that concentrations at the site were low and that there was no off-site migration, did not indicate that human receptors were endangered by the site. The site was covered with rocky, permeable soil and waste was known to exist in a shallow aquifer that is connected to a deeper aquifer that serves more than 10,000 people downgradient and within two miles of the site. In the site's preclosure conditions, this population was potentially exposed to contaminants that could enter this source of drinking water.

A Record of Decision (ROD) was signed by USEPA on September 30, 1986 which selected the long-term solution for the Combe Fill North Landfill. Specifically, the ROD outlines the following activities:

- Grade and compact the 65-acre waste disposal area;
- Cover with 1 ft of common borrow material;
- Cap with 1 ft of clay;
- Cover with sufficient common borrow material to ensure the clay cap is below the average frost penetration depth;
- Cover with 6 in. topsoil
- Plant a vegetative cover (grass seeding);
- Install a drainage system, including perimeter ditches and corrugated metal pipes;
- Install a methane venting system;
- Construct a security fence surrounding the site;
- Implement a quarterly ground water and surface water monitoring program.

The implementation of the design was overseen by the design engineering firm of Lawler, Matusky & Skelly Engineers (LMS). The construction was provided by the construction contractor, Conti Construction Co. Inc. (Conti). LMS provided a full time on site Resident Engineer, other site staff, and office support. LMS was responsible to perform site observations of the work in progress and field checks of materials and equipment of Conti. LMS was not responsible to the State for the means, methods and sequences of construction or safety precautions which were Conti's responsibility. The major responsibility of LMS was to see that Conti performed their contractually defined work in accordance with the specifications for the project. Consistent with their role of monitoring the construction, LMS had to: maintain adequate records of the work; certify, on behalf of the State, the acceptance of work; conduct periodic meetings with Conti and the State; conduct tests of the site as needed; survey the site; photograph the site; and in general report and make recommendations on relevant aspects of the project. LMS'

role was also to ensure the adequacy of the design. LMS had to remedy any design defects or deficiencies and/or to make design changes as needed.

Conti was awarded the X-002 contract for remedial construction in October 1989. On site construction started in December of 1989 with a partial notice to proceed. Full Notice to Proceed was given in early February 1990.

In late February of 1990 it became apparent that the cap required a major redesign. This was because excavation on site showed refuse outside the designed final cap limits at much greater quantities than previously known. This redesign effort primarily entailed a cap extension of 11.36 acres in order to incorporate some 350,000 cubic yards of refuse outside the design limits of the landfill. During the cap extension redesign effort a second major redesign effort had to be performed to accommodate the landfill's unanticipated rate of constructive phase settlement. The two main results of the high settlement rate were a cap grading plan alteration (lowering of grades to reduce fill requirements) and extensive on site soil excavation to provide more fill material. The cap area as bid was 53.09 acres. Accounting for a 0.87 acre additional cap area from a later minor cap extension, the final cap was 65.32 acres. The total of on site excavation bid was 369,000 cubic yards. The final quantity of on site excavation was some 567,000 cubic yards even with the lowering of the design grades. See Figure 3 for the proposed final site plan and Figure 4 for a record drawing of the actual final site plan.

Comparison of the proposed closure and actual closure plans shows the following primary changes:

1. That the area of the main cap extension was to the east and south sides of the cap. The cap had to be extended under half the east side drainage channel and all the south side drainage channel. Due to slope constraints the cap in the affected channel areas could not be constructed of clay and 30 mil PVC was utilized. Thus, of the 11.36 acres of main cap extension, 6.13 acres was constructed with a PVC cap.

2. That the cap grades were dropped. The proposed final elevation at the cap apex was at approximate elevation of 1,081. The actual final cap apex was at 1,074.5. The proposed landfill slopes ranged from 2.6% to 5.0% and the actual slopes ranged from 1.9% to 3.1%.

3. That in the northwest portion of the site extensive excavation took place. This is the area where some 84,173 cubic yards of excavation took place in order to provide additional common fill for the cap subgrade.

Despite the two major changed conditions and resultant redesign efforts, on site construction was principally completed in December of 1990. Minor on site construction activity resumed in April of 1991 and was completed in June 1991.

During the course of the project 14 contract modifications were issued to Conti Construction for a total increase in cost to the contract of $3,022,261.98. This was partly offset by lower expenditure in other areas. In February, 1991 Conti submitted a formal claim package requesting $4,648,065.37 in additional compensation. Most of the claims resulted from events which took place because of the redesign efforts. These claims were settled out of court for $1,063,323.08 in June 1992. Accounting for their contract underruns, change orders, claims and retainage, Conti's final contract amount was for $16,817,884.86, which has been paid to Conti in full.

LMS' final contract amount was for $845,819.56. Three contract modifications were issued to LMS. LMS' final contract costs were less than their original contract award due to lower expenditures in certain areas of their contract. LMS has made no claims under their Resident Engineering contract on this project. LMS' retainage will not be released until after final audit.

Current operations and maintenance activities consist of ground water monitoring, both up gradient and down gradient of the site; on site gas vent discharge monitoring; and site repairs due to vandalism, and erosion and settlement caused damages on an as needed basis. Post closure reevaluation of the closure will proceed as required under Superfund.

III. CONTRACTOR PROCUREMENT

A. CONSTRUCTION CONTRACTOR

The State issued the X-002 Invitation to Bid (ITB) by letter dated June 26, 1989. The bid mailing consisted of two volumes, a set of Contract Drawings, and a set of Mandatory Submission Forms. Volume 1 was the Terms and Conditions and Volume 2 was the Technical Specifications. The interested bidders were to submit a completed price schedule for unit price and lump sum items, the total of which was the bid price for the complete remedial construction work at the Combe Fill North Landfill. The technical requirements for the project work were defined in the Technical Specifications and Contract Drawings which were part of the bid mailing. Bid opening was scheduled for August 30, 1989.

The mandatory site inspection took place on July 17, 1989. The mandatory bidders conference took place on July 18, 1989. The bidders conference was held at Trenton State College, in Ewing, N.J. Addendum I was issued by letter dated July 31, 1989. A correction to Addendum I was issued by letter dated August 9, 1989. On August 30, 1989 bids were opened. Of the six bids received 3 were rejected immediately because they did not provide bid bonds. The three bids evaluated were:

1. Conti Construction Co., Inc.: $14,836,291.00
2. Zanghi Development & Corp. & Joseph DeFino Trucking Inc. (Joint Venture): $17,145,900.00
3. Anselmi and DeCicco, Inc. $17,347,975.00

The Bid Evaluation Committee recommended Conti be given the award and, after a protest from Zanghi/Defino was resolved, the X-002 contract for $14,836,291.00 was completely executed on October 27, 1989.

Conti's Purchase Bureau Contract included the following approved subcontractors:

1. A.C. Brandner (Electrical Subcontractor)
2. Empire Soils Investigations, Inc. (Well Drilling Subcontractor)
3. Jablonski and Meade Associates, Inc. (Surveying Subcontractor)
4. Tower Iron & Aluminum Works, Inc. (Fencing Subcontractor)

During the course of the project A.C. Brandner, Empire Soils Investigations, Inc., and Jablonski and Meade Associates, Inc. were dropped as subcontractors. The eliminated subcontractor and replacement subcontractor were as follows:

1. A.C. Brandner - Replaced by High Point Electric
2. Empire Soils Investigations, Inc. - Replaced by Moretrench American

3. Jablonski and Meade Associates, Inc. - Replaced by Conti's own direct hires.

During the course of the project Conti added 1 additional subcontractor as follows:

1. Dell Contractors Inc. (Paving Subcontractor)

The fixed schedule date for substantial completion was 490 days from contract execution and final completion 60 days thereafter. Based on the contract terms, and the effective date of agreement, the dates of substantial completion and final completion were fixed as March 1, 1991 and April 30, 1991, respectively. There were no other milestones stipulated in the contract other than those associated with various pre-Notice to Proceed documentation submissions such as the project schedule, work plan, health and safety plan, etc.

Conti was timely in submitting their project schedule, work plan, health and safety plan, etc., and on December 4, 1989 Conti started on site operations under a limited Notice to Proceed. On February 7, 1990 Conti was issued a full Notice to Proceed.

B. ENGINEERING CONTRACTOR

Lawler, Matusky & Skelly Engineers (LMS) was an awardee of the Request for Proposal for Term Contract for Performance of Engineering Design Services For Various Hazardous Waste Cleanup Projects In The State Of New Jersey, dated May 8, 1984.

In April, 1987 the State of New Jersey (State) issued a Request For Proposal (RFP) titled:

Site Specific Request for Proposal for the
Combe Fill North Landfill
Pursuant to
Term Contract for Performance of Engineering Design Services (X-464)

In June, 1987 the LMS submitted their response to the above RFP. Under this X-464 engagement LMS was to "...provide design services required for selected remedial implementation based on the Record of Decision (ROD)...". The main body of the required work took place under the following contract tasks:

TASK 1: PRE-DESIGN PLANNING AND PROJECT DEVELOPMENT
TASK 2: INVESTIGATIONS FOR DEVELOPMENT OF DESIGN CRITERIA
TASK 3: PRELIMINARY DESIGN
TASK 4: FINAL DESIGN

LMS was also required to submit a general plan and a general staffing profile for the following tasks:

TASK 8: RESIDENT ENGINEERING
TASK 9: DESIGN SERVICES DURING CONSTRUCTION
TASK 10: START UP AND TRAINING

In June 1989 the work under Task 4 was completed and bids were solicited for remedial construction. See above discussion regarding the procurement of the construction contractor.

During the construction contractor procurement the State and LMS negotiated a contract amendment for construction oversight services. This involved reaching agreement on the costs to perform Tasks 8 - 10. Based on a proposal dated July 24, 1989 for $894,941.29 the State, in November, 1989, and LMS executed the contract amendment for Tasks 8 - 10.

LMS' contract for construction services did not include subcontractors. During the course of the project LMS added Tectonic Engineering as a soils consultant.

IV. STAFFING/DOCUMENTATION

A. CONSTRUCTION CONTRACTOR

The construction contractor, Conti Construction Co., Inc., (Conti) had to staff the project adequately to perform the work and had to maintain certain records per the project specifications.

Conti maintained the following management positions on this project: Superintendent; Project Engineer; Senior Project Engineer; and Health and Safety Officer.

Conti employed unionized laborers, operating engineers, and teamsters to perform the labor on this project. Between the laborers, operating engineers, and teamsters, up to some 40 persons were present on site on any given day, however, typically, these individuals numbered about 25. Primary level supervision was provided by Conti's foremen. At any given time on the project between 1 and 4 foremen were directing the operations in concert with the superintendent. There were typically 3 foremen on the job site.

Conti was responsible for furnishing the following documentation:

Daily Quality Control Report
Air Monitoring Log Report
Equipment Listings
Personnel Rosters
Security Forms for Liability Release
Billing Backup Documentation (typically cross sections)

B. ENGINEERING CONTRACTOR

Lawler, Matusky & Skelly Engineers (LMS) staffed the project for both field and office efforts related to the project. LMS had to maintain proper staffing in terms of numbers and disciplines to adequately inspect the construction, review construction contractor submissions, and manage contractual disputes. The field effort was primarily staffed by a full time resident engineer and two full time inspectors. The office efforts were headed by LMS' managing partner followed by the project manager and engineering staff.

The key field personnel positions for LMS were Resident Engineer; Chief Inspector; Inspector/Surveyor; and Geologist.

During the height of project activity the above personnel were supplemented by a rotating list of LMS home office staff persons. This was for a period of some three months in the summer of 1990 and was only as needed and approved by NJDEPE.

The key office personnel positions for LMS were Managing Partner; Project Manager; Site Engineer; CADD Operator; and Hydrogeologist.

The documentation provided by LMS consisted of their log books, monthly progress reports, and the many responses to the issues raised

CLOSE OUT REPORT

COMBE FILL NORTH LANDFILL REMEDIATION

Mount Olive Township, Morris County

October 1989 - June 1992

Prepared by:

Jesse Robbins
Construction Manager
Bureau of Construction

NJDEPE - Division of Publicly Funded Site Remediation

21 April 1993

ATTACHMENT I - TEXT

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- Implement a quarterly ground water and surface water monitoring program.

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1. A.C. Brandner (Electrical Subcontractor)
2. Empire Soils Investigations, Inc. (Well Drilling Subcontractor)
3. Jablonski and Meade Associates, Inc. (Surveying Subcontractor)
4. Tower Iron & Aluminum Works, Inc. (Fencing Subcontractor)

During the course of the project A.C. Brandner, Empire Soils Investigations, Inc., and Jablonski and Meade Associates, Inc. were dropped as subcontractors. The eliminated subcontractor and replacement subcontractor were as follows:

1. A.C. Brandner - Replaced by High Point Electric
2. Empire Soils Investigations, Inc. - Replaced by Moretrench American

3. Jablonski and Meade Associates, Inc. - Replaced by Conti's own direct hires.

During the course of the project Conti added 1 additional subcontractor as follows:

1. Dell Contractors Inc. (Paving Subcontractor)

The fixed schedule date for substantial completion was 490 days from contract execution and final completion 60 days thereafter. Based on the contract terms, and the effective date of agreement, the dates of substantial completion and final completion were fixed as March 1, 1991 and April 30, 1991, respectively. There were no other milestones stipulated in the contract other than those associated with various pre-Notice to Proceed documentation submissions such as the project schedule, work plan, health and safety plan, etc.

Conti was timely in submitting their project schedule, work plan, health and safety plan, etc., and on December 4, 1989 Conti started on site operations under a limited Notice to Proceed. On February 7, 1990 Conti was issued a full Notice to Proceed.

B. ENGINEERING CONTRACTOR

Lawler, Matusky & Skelly Engineers (LMS) was an awardee of the Request for Proposal for Term Contract for Performance of Engineering Design Services For Various Hazardous Waste Cleanup Projects In The State Of New Jersey, dated May 8, 1984.

In April, 1987 the State of New Jersey (State) issued a Request For Proposal (RFP) titled:

Site Specific Request for Proposal for the
Combe Fill North Landfill
Pursuant to
Term Contract for Performance of Engineering Design Services (X-464)

In June, 1987 the LMS submitted their response to the above RFP. Under this X-464 engagement LMS was to "...provide design services required for selected remedial implementation based on the Record of Decision (ROD)...". The main body of the required work took place under the following contract tasks:

TASK 1: PRE-DESIGN PLANNING AND PROJECT DEVELOPMENT
TASK 2: INVESTIGATIONS FOR DEVELOPMENT OF DESIGN CRITERIA
TASK 3: PRELIMINARY DESIGN
TASK 4: FINAL DESIGN

LMS was also required to submit a general plan and a general staffing profile for the following tasks:

TASK 8: RESIDENT ENGINEERING
TASK 9: DESIGN SERVICES DURING CONSTRUCTION
TASK 10: START UP AND TRAINING

In June 1989 the work under Task 4 was completed and bids were solicited for remedial construction. See above discussion regarding the procurement of the construction contractor.

During the construction contractor procurement the State and LMS negotiated a contract amendment for construction oversight services. This involved reaching agreement on the costs to perform Tasks 8 - 10. Based on a proposal dated July 24, 1989 for $894,941.29 the State, in November, 1989, and LMS executed the contract amendment for Tasks 8 - 10.

LMS' contract for construction services did not include subcontractors. During the course of the project LMS added Tectonic Engineering as a soils consultant.

IV. STAFFING/DOCUMENTATION

A. CONSTRUCTION CONTRACTOR

The construction contractor, Conti Construction Co., Inc., (Conti) had to staff the project adequately to perform the work and had to maintain certain records per the project specifications.

Conti maintained the following management positions on this project: Superintendent; Project Engineer; Senior Project Engineer; and Health and Safety Officer.

Conti employed unionized laborers, operating engineers, and teamsters to perform the labor on this project. Between the laborers, operating engineers, and teamsters, up to some 40 persons were present on site on any given day, however, typically, these individuals numbered about 25. Primary level supervision was provided by Conti's foremen. At any given time on the project between 1 and 4 foremen were directing the operations in concert with the superintendent. There were typically 3 foremen on the job site.

Conti was responsible for furnishing the following documentation:

Daily Quality Control Report
Air Monitoring Log Report
Equipment Listings
Personnel Rosters
Security Forms for Liability Release
Billing Backup Documentation (typically cross sections)

B. ENGINEERING CONTRACTOR

Lawler, Matusky & Skelly Engineers (LMS) staffed the project for both field and office efforts related to the project. LMS had to maintain proper staffing in terms of numbers and disciplines to adequately inspect the construction, review construction contractor submissions, and manage contractual disputes. The field effort was primarily staffed by a full time resident engineer and two full time inspectors. The office efforts were headed by LMS' managing partner followed by the project manager and engineering staff.

The key field personnel positions for LMS were Resident Engineer; Chief Inspector; Inspector/Surveyor; and Geologist.

During the height of project activity the above personnel were supplemented by a rotating list of LMS home office staff persons. This was for a period of some three months in the summer of 1990 and was only as needed and approved by NJDEPE.

The key office personnel positions for LMS were Managing Partner; Project Manager; Site Engineer; CADD Operator; and Hydrogeologist.

The documentation provided by LMS consisted of their log books, monthly progress reports, and the many responses to the issues raised

by both the construction contractor and NJDEPE.

C. NJDEPE

The NJDEPE/DPFSR/Bureau of Construction was the lead Bureau for the construction phase of the project.

Construction Managers Jesse Robbins and Matthew Madsen were permanently assigned to the project. Mr. Madsen resigned from State service in November of 1990 and was not replaced on the project due to the fact that the project was nearing completion. During the project other Construction Managers assisted in monitoring the construction contractor. NJDEPE off site staffing was primarily provided by Bureau of Construction supervisors.

The support groups in the Division of Publicly Funded Site Remediation were the Bureau of Contract Management, the Bureau of Environmental Measurements and Quality Assurance, the Office of Site Safety and Health, the Bureau of Ground water Pollution Abatement, and the Bureau of Environmental Evaluation and Risk Assessment.

The documentation provided by DEPE was principally provided by Bureau of Construction staff with the exception of the audit and quality assurance reviews provided by the Bureau of Environmental Measurements and Quality Assurance. The Bureau of Construction routinely: maintained a Master Log of all site activities; filed monthly progress reports; prepared both construction and engineering contractor payment requests and change orders; and responded to correspondence.

V. OPERATIONS

As bid, the work which Conti had to perform under their contract consisted primarily of the following: regrading of refuse from the landfill, including portions inside (112,000 cubic yards) and portions outside (52,000 cubic yards) the proposed final cap limit; earthwork (205,000 cubic yards) including several large stockpiles on the edge of the proposed final cap limit and excavation for 4 gabion lined perimeter drainage ditches; 65 acre composite cap including: 1 foot minimum common fill layer to serve as the subgrade for the clay layer (from on site earthwork supplemented by up to 30,000 cubic yards of imported fill), 1 foot clay layer, 1 foot drainage layer with drainage piping, 1.5 foot common fill layer, 0.5 foot topsoil layer and turf; 4 gabion lined perimeter drainage ditches totaling 5,085 feet; a 7,100 foot long passive perimeter gas vent trench and 43 passive point gas vents; 8,350 feet of perimeter site fence; and reconstruction of Gold Mine Road from the site entrance to Route 206.

Conti Construction's operations during the Combe Fill North Landfill remedial construction proceeded to a large extent as a function of 4 factors, which were:

1. Conti's accelerated schedule. Although the contract time of 490 days to achieve substantial completion allowed approximately 16 months to substantially complete the project, i.e. by March 1, 1990, Conti's schedule called for substantial completion before October 1, 1990.

2. Conti's demonstrated ability as an earth moving contractor and inventory of oversized earth moving equipment. Conti had 2 oversized track hoes, Komatsu PC 1000's, and 2 oversized bulldozers, Komatsu D375A's, in addition to several other trackhoes and a fleet of other bulldozers, rollers, etc. As such Conti had the ability to accomplish their accelerated schedule.

3. During the construction two substantial design changes had to be incorporated into the work. The first was to extend the cap to cover additional refuse and the second was to adjust the site grading plan due to greater than expected settlement of the landfill. The discovery of these changed conditions and their inclusion in the construction took place over the months from February until July 1990.

4. Conti's difficulty in installing the clay layer of the landfill cap. Between May 1990 and July 1990 Conti made inordinately little progress on the clay layer in comparison to the production called for in their schedule. In effect Conti lost almost one half of the optimum season for placing clay.

In summary, site operations in February and March of 1990 showed that Conti would likely have been able to reshape the landfill in preparation to apply the cap ahead of schedule had it not been for extensive changed conditions. As a result of the changed conditions, Conti was at times required to move the locus of work from the area affected and/or proceed with different operations. Additionally Conti had some difficulties constructing the clay layer. By the start of

July 1990 the redesigns were finished and Conti had developed suitable means for construction of the clay layer. From July 1990 until December 1990 construction of the rest of cap layers proceeded very quickly through mass importation of sand, common fill, and topsoil. Conti requested and received approval from the NJDEPE to work additional hours in an attempt to maintain their overall project goal of completion in 1990.

The key on site operations during the project are summarized below on a calendar month basis. Project billing for construction was on a mid-month cycle. As a result it is not possible to report accepted quantities for given line items on a calendar month basis. As such the site operation history below is somewhat qualitative. A quantitative analysis of the quantity of work performed and accepted in each of the billing periods is presented in the Cost Summary/Budget Analysis section of this report.

DECEMBER 1989 - JANUARY 1990

Conti mobilized on the 4th of December as allowed by the terms of a limited notice to proceed. Conti's small crew was allowed to survey and layout work, mobilize trailers, bring in site utilities, install fence, and other non-intrusive activities. In December only LMS' Resident Engineer and one Construction Manager were on site. By the end of January LMS' staff consisted of the Resident and the 2 primary inspectors which were continuously on site thereafter. Both Construction Mangers were also on site full time by the end of January.

FEBRUARY 1990

Conti was given full notice to proceed on the 7th. This meant that Conti was allowed to perform any of the three types of contractually defined on site material excavation and placement operations. This generally entailed excavation of material from the periphery and relocation of the material into the center of the landfill. These operations were as follows:

1. Earthwork: This was the excavation and placement of on site earthen material. Excluded was any refuse relocation.

2. Refuse Relocation Inside the Final Cap Area: This was the excavation and placement of refuse within the limits of the area which was to receive the cap. This work generally consisted of regrading refuse from high points to low points.

3. Refuse Relocation From Outside the Final Cap Area to Inside the Final Cap Area: This was the excavation of refuse from areas outside the final cap limit and relocation of this refuse inside the final cap area. The intent of this work was to lessen the cap area by placing inside the cap isolated areas of refuse that were present at what was thought to be less than 6 foot thick lenses.

By the latter portion of the month most of the refuse relocation

within the northern portion of the final cap area was complete. Refuse relocation outside the final cap area began mid-month.

On February 23 Conti first discovered that refuse was present outside the limits as defined by the design. The additional refuse was located in areas completely outside those where refuse was expected and at greater thicknesses (up to 35 feet) in areas where it was anticipated to be present. Conti was issued a stop work order for refuse relocation outside the final cap limits. Conti continued refuse regrading inside the final cap limit. Conti's planned operations were impacted as of the 27th.

Test pitting continued from the 23rd to the end of the month. The test pitting program showed additional refuse was located along the east, south and west sides of the final cap area. See Attachment 4 for test pit mapping and summary. Interpretation of the test pits performed at the end of February indicated that the volume of additional refuse was some 350,000 cubic yards.

Earthwork necessary to provide cover for exposed refuse was performed. This involved partial excavation of some of the earthen stockpiles which surrounded much of the site on the northern and southern sides.

MARCH 1990

Due to lack of refuse relocation work because of limitations placed on Conti by the additional refuse, the NJDEPE allowed Conti to excavate the earthen stock piles located on the northern portion of the site. The excavation also allowed installation of the northern drainage channel to start and near completion. Conti's forces were fully utilized as of the end of March 9. Minor refuse relocation within the final cap area took place, as did fence and gas venting work.

On March 9th LMS was authorized to proceed with the redesign to accommodate the additional refuse. This redesign was termed Redesign I (R/D I).

APRIL 1990

Based on preliminary R/D I drawings furnished by LMS, work on the east channel started as the north channel was being completed. The redesign generally maintained the line and grade of the channels, except for minor alterations to put the channel drops off refuse as much as possible in order to avoid drainage problems caused by differential settlement. LMS proposed and the DEP and EPA accepted the decision to extend the cap rather than excavate the additional refuse. Refuse relocation necessary to install the channels would be performed. In the channel areas clay cap was to be replaced by synthetic liner because of the drainage channel's slopes, the local depth of the freeze-thaw cycle, and the fact that the channels would serve as water courses.

By mid-month Conti was relocating refuse encountered outside the cap as the installation of the east channel took place. The northern

channel was completed (750 feet) and over 1,100 feet of the east channel were completely installed. Incidental to the east channel excavation was the excavation of the remaining stockpiles of earthen material on the northern side of the site. The balance of the east channel, some 1,140 feet, was rough cut as were minor portions of the south channel.

Early in the month Conti dewatered the on site ponds and graded off the main pond retaining area. The graded area was principally refuse within the final cap.

Toward the end of April it was becoming apparent from visual inspection of the site that there may not be enough material on site to reach the design grade.

MAY 1990

Although not strictly operational, the event which generally drove the on site operations during this month was the second redesign effort. The second redesign was required because of unanticipated settlement of the landfill during construction. Based on topographic data obtained by LMS on May 15, LMS estimated that some 25 acres at the center of the landfill were below grade and that, without any further settlement, some 175,000 cubic yards of material were required to reach design subgrade, i.e. base for the clay layer for the entire fill. At this point the cap apex was about 14 feet below grade and the remaining amount of fill to be generated under the contract was estimated at some 51,000 cubic yards. Thus there was an approximate fill shortfall of 124,000 cubic yards.

Based on the survey data obtained by LMS on May 15th the DEPE and EPA allowed LMS to perform a redesign which called for reducing the cap grades generally from 5 to 4 or 3.5 percent over the affected 25 acres. This was to be performed by: regrading a portion of the landfill, which was already at grade, surrounding the 25 acres and "pushing" the material "into" the low lying area. After this was accomplished any remaining refuse relocation would be performed. The last part of the redesign called for the covering of exposed refuse with common borrow and then using additional fill to reach the revised grades if needed. LMS estimated that some 21,000 cubic yards of material would have to be generated from additional sources. Due to the high unit pricing bid by Conti for off site common borrow, the DEPE directed LMS to design a grading plan for the northwest portion of the site in order to generate the required common borrow from on site. This area was termed the "mining area" and was included in the redesign. Conti was presented with a final draft of the redesign on May 30. This redesign was termed Redesign II (R/D II). As of May 21 Conti claimed to be operating with part of their forces on standby.

Excavation operations included initial excavation for the west drainage channel and completion of all east channel excavation. Additional south channel excavation also proceeded. The materials encountered were both earthen and refuse.

Conti imported and placed all 30,000 cubic yards of off site common borrow. This material was, in part, used to prepare the north central to north east cap areas for clay placement. On May 24th the first clay was placed. By the end of this month DEPE and LMS had concerns regarding the differences between the approved clay verses the actual clay in place.

JUNE 1990

Without prior authorization Conti began the month performing the regrading called for in LMS's May 30 final draft R/D II. By the 5th Conti informed LMS that the LMS R/D II quantities had an error and all R/D II work stopped. After assessing the situation LMS agreed that there was an error in their calculations which was attributed to survey accuracy. LMS made an adjustment to the grading plan and raised their estimate of 21,000 cubic yards of fill required from alternative sources to a range of between 35,000 and 45,000 cubic yards depending on fill compaction during placement. The differential in fill requirement was still able to be obtained from on site sources and on June 22 R/D II work resumed, under verbal approval of a lump sum change order to perform the work. Due to a breakdown in the execution of the lump sum change order on June 27, R/D II operations did not ensue again until June 29. R/D II work performed in June consisted of refuse placement per the revised grading plan and site preparation in the mining area though no mining took place in June.

The work under R/D I continued with the installation of the first PVC liner panel in the east channel. Installation of the gabion stone followed liner placement by some 1-2 days as work progressed up the length of the channel. By the end of the month the 2,239 foot long gabion lining of the east channel was completed.

Clay importation proceeded throughout the early portion of the month. The clay being imported was called Conduit clay. Due to color and texture discrepancies between the approved clay and the actual clay Conti stopped importation as of June 11 and sampled the in-place clay on the 16th to establish the relation between moisture and density to permeability. No further clay was imported until July.

JULY 1990

Excavation for the south channel continued and was completed this month. Placement of the material proceeded to the R/D II grades. Gabion lining was installed over all but 200 feet of the 1,720 total foot south channel length.

Several rainfalls, in combination with work being left unprotected, caused damage to liner covered side slopes. The worst damages took place on the east channel although the south channel was also affected. Conti had to cut holes in the liner to let out accumulated water. After the underlying areas were drained Conti repaired the liner bedding and seamed or patched the liner as required.

Mining area site preparation started on the 12th and excavation of

fill material started on the 19th. This work continued for the rest of the month and by the end of the month some 42,000 cubic yards had been excavated from the mining area.

The results of Conti's in-place Conduit clay sampling event of the previous month were reported on the 2nd. The results confirmed that the qualitative discrepancies noted in June reflected the fact that the actual material had different geophysical properties, specifically the relation between moisture and density to permeability, than the approved material. The actual material required much more compaction to achieve the required permeability than the approved material. As a result, about half of the approximately 11 acres of clay previously meeting the moisture and density limits of the approved clay were rejected. Because the resulting passing and failing areas were so interspersed Conti had to rework almost the entire 11 acres of in place clay. The reworking of the 11 acres of clay started on July 24. The reworking of the clay entailed rototilling the clay, applying water as needed, and recompacting. During the rework of the clay many areas were found below the specified 12 inch thickness. After Conti accepted the new criteria for the Conduit clay, importation proceed to exhaust the source. Enough clay for an additional 4 acres, some 6,000 cubic yard, were imported at the end of the month. No further Conduit clay was imported during the project after August 1.

AUGUST 1990

Conti continued to work and rework the Conduit clay throughout the month. The first sand overlying the Conduit clay was applied on the 1st and thereafter as individual areas, generally one half to one full acre, were approved. After the sand covering was completed Conti applied the common borrow layer. The common borrow was generally applied in an initial 6 inch lift. Conti planned to install the sand drainage piping through the six inches of common borrow rather than the full 18 inch thickness of common borrow. This would allow less disruption to the common borrow in place. After the sand drainage piping was installed the common borrow layer was completed.

Due to a continued lack of protecting the work, repairs were required on the south and east channel side slopes after rainfalls.

West channel excavation work restarted and was completed in the first half of the month. By the end of the month the gabion lining of the channel had been completed.

Except for spreading the PVC cap to the interior portion of the cap this was the completion of work under R/D I.

Excavation of isolated areas of earth and refuse continued along the south and west channel side slopes. The material was placed to the R/D II grades. As cut and fill proceeded throughout the month, assessment of the work indicated that there would not be enough material on the job site to reach even the reduced R/D II grades. In order to keep work progressing, new design grades were issued on the 21st for areas not yet at grade to receive clay and the mining area

was expanded to provide more fill. Conti encountered no delay due to this R/D II adjustment.

During the month two new clay sources were approved and importation was started from each. The pits were BJ Warren and Toto Brothers. The Warren clay was first imported on the 16th and the Toto Bros. clay was first imported on the 30th. The properties of the Warren clay being imported matched the profile of the material which was approved. The material was imported well wet of optimum which meant that it would have to dry prior to its being accepted. From the beginning of importation, the Toto Bros. clay contained numerous stones above the 2 inch diameter maximum allowed by contract. As a result of the discrepancy between the approved Toto Bros. material and the actual Toto Bros. material Conti had to be directed to remove the stones.

SEPTEMBER 1990

Importation of the Warren clay continued during the month. The Toto Bros. clay continued to have many stones in it and importation was halted by Conti on the 5th. The Toto Bros. material was not imported again. Work on reconditioning the remaining Conduit clay was completed on the 13th. On the 17th Conti began importation from the Mount Bethel clay pit. The Mount Bethel clay was the last of the four sources of clay used on the project. Conti had approval for the Mount Bethel clay in July but importation was delayed due to difficulties Conti had in developing the pit for mass excavation.

As areas of clay were approved they were covered with sand. As areas of sand placement were completed the common borrow layer and sand drainage piping were put into place.

Importation of topsoil first started on the 12th. The topsoil source was called Jack Wilson topsoil. Between the 12th and the 25th the Jack Wilson topsoil was placed on the outer side slopes of the channels. On the 26th topsoil placement on the main cap body started.

On the 24th the need for a small north side cap extension was recognized. On the 27th LMS furnished a drawing indicating how the required cap extension of 0.87 acres was to be constructed. Work on this cap extension started on the 29th.

Damage to channel side slopes was lessened but still occurred as a result of rainfall.

The work required to adjust R/D II, which was noted as being required in August, was presented to Conti on revised contract drawings dated the 6th. The drawings showed a lowering of grades and cap apex in the area of the cap yet to be brought to base of clay subgrade and an increase in the mining area. Clearing and grubbing required to access the additional mining area started on the 17th. Mining started on the 25th. After the revised drawings were presented to Conti, all excavated materials were placed to the line and grade indicated on the revised R/D II drawings.

During this month there were several periods when a sand shortage impacted Conti's operation. Conti had to cover areas with less than the required one foot of sand, e.g. 4 - 6 inches, in order to prevent the finished clay surface from exhibiting desiccation cracking. This precluded covering these same areas with common borrow, which was present very close by and in adequate quantity.

OCTOBER 1990

Conti finished, with the exception of the toe drain in the sand drainage layer, the north side 0.87 acre cap extension this month. The clay was completed on the 9th. The area was top soiled and seeded by the 18th.

Conti completed the base of clay subgrade on the 12th with only a minor alteration to the cap grading plan from the previous month. A moderate change had to be made outside the cap area to obtain additional borrow. This alteration was presented on the 4th by LMS. LMS presented cut drawings to increase the available on site common fill quantity from the edge of the mining area. This moved the edge of the mining area closer to the edge of the cap. This additional on site material was exhausted on the 11th. Conti attained subgrade on 12th by performing minor regrading of in place material. This completed the objective of the second redesign. The only additional R/D II work which was performed consisted of fence replacement and dressing up of the mining area.

Throughout this month Conti imported and placed large quantities of Warren and, to a lesser extent, Mount Bethel clay. The shortage of sand which hindered Conti operations in September continued into this month. Conti had to recondition the upper portion, 1-3 inches, of several areas of approved clay because of desiccation cracking which occurred because no sand was present to cover the clay. On the 12th Conti corrected this problem, to a large extent, by initiating sand importation from the Dallenbach sand pit. Common borrow supplies were adequate throughout this month. Conti also had problems maintaining an adequate topsoil supply this month. The amount of available Jack Wilson topsoil dwindled mid month and in the latter portions of the month the material was rocky. Conti had to removed stones from in place material.

NOVEMBER 1990

The Jack Wilson topsoil pit was exhausted on the 5th. The Jack Wilson material was replaced by Dallenbach topsoil the same day. The Dallenbach topsoil was placed at Conti's own risk because Conti did not have the necessary geotechnical/agronomical analyses performed prior to its importation. The Dallenbach topsoil was sampled on the 1st but when imported on the 5th it had a different physical appearance than the material sampled on the first. The material sampled on the 1st was brown in color and the imported material was black in color. Throughout the month approval of the Dallenbach topsoil was withheld pending receipt of complete information. However, in an effort to finish the cap before winter, Conti imported

the material as quickly as possible. The topsoil contained a large number of stones, twigs, branches, etc. Conti utilized a Rotoveyor starting on the 15th to remove these materials, plus the stones from portions of the Jack Wilson topsoil.

The west channel was completed except for topsoil by the 15th. This finished the last of the R/D I work.

The mining area was dressed up. This included smoothing the slopes and trimming the large spoils area. The spoils from the mining consisted of oversized stones. These stones covered an area over an acre and generally ranged from 5 - 10 feet in diameter. This finished the last of the R/D II work.

The main body of clay cap was completed on 16th. At this juncture only some 35 acres, or some 55% of the topsoil was placed. Common borrow on the main body of the cap was completed by the 20th and completion of the topsoil layer followed on the 28th. The only area which had to be completed was where Conti maintained their main haul road onto the cap. Placement of the cap in this less than 1 acre area required Conti to box out and recompact the area in preparation to receive the clay cap.

In the last week of the month Conti started winterization operations. This generally consisted of placing concentric rings of hay bales around the cap.

DECEMBER 1990

On the 1st the last clay was placed in the haul road area. Inconsistencies regarding the Dallenbach topsoil continued. In addition concern over low pH of the Dallenbach topsoil became an issue. However, since the material was being placed at Conti's own risk importation continued. By the 10th seeding of the cap was completed.

Winterization was completed by the 20th and Conti demobilized for the winter.

JANUARY - MARCH 1991

No operations took place during this period.

APRIL - JULY 1991

In order to complete some contract work which was not finished prior to the winter of 1990-1991 and in order to make repairs to the cap from erosion over the winter Conti remobilized a small crew the 12th of April. Work included was:

- Installation of the toe drain and repair to a minor slope failure due to the lack of the drain at the base of the north side 0.87 acre cap extension,
- Testing of Dallenbach topsoil in 5 acre lots and adjustment to the

seedbed as required by the results. This was required due to documented inconsistencies and pH concerns regarding the material,
- Fence adjustments entailing placement of earth at the base of the fence to reduce the fabric to earth distance to an acceptable range,
- Channel cleaning and repair,
- Repair/adjustment of gas vents, and
- Environmental restoration of the southeast section of the site where the trailers and parking lot were.

Based on the work performed by Conti since 4/12 and the results of a 6/12 site inspection by DEPE and LMS, Conti's request for Substantial Completion dated 5/24 was approved by LMS on 6/14 and by the DEPE on 6/17.

The last on site work took place on 7/1 and consisted of very minor punchlist work. July 1 was the date of final completion.

VI. COST SUMMARY/BUDGET ANALYSIS

A. CONSTRUCTION CONTRACTOR

Conti Construction Co., Inc. (Conti) was awarded the contract for the Combe Fill North Landfill remedial construction in October 1989. Conti's original contract contained 33 separate line items the sum of which was $14,836,291.00. Through 14 change orders the work under Conti's original contract was reduced by $1,040,668.11. The sum of contract overruns under original contract line items (termed extra work in DEPE nomenclature) and additional work items not foreseen in Conti's original contract (termed supplemental work in DEPE nomenclature) amounted to $3,022,261.98. The sum of the reductions and increases resulted in a net increase of $1,981.593.87 which resulted in a final contract amount of $16,817,884.87.

Attachment 1 shows the following for each original and additional line item: the original quantities, final change order quantities, and overall final quantities; the total costs, original contract costs, and change order costs; the original contract credits; and percentiles of cost and quantity in relation to either the original contract quantity or initial change order quantity.

Billing under Conti's contract proceeded on a monthly basis. By consent of DEPE and Conti, billing took place on a mid-month basis. The billing period was from the 16th of a given month to the 15th of the following month. In total 37 invoices were processed under Conti's contract. Some months had more than one invoice because some work was performed under change orders which were not completely processed. These invoices were for work which was duly authorized to be performed but for which the change orders were not completely processed.

During the course of the project $900,504.68 in retainage was withheld. As part of project closeout all of this retainage was released.

Attachment 2 shows, on a monthly basis, the following for each original and additional line item: the quantity of work accepted and what percent of the final contract quantity that work entailed; the accepted cost for the entirety of that month's work; the retainage withheld; and the net payment authorized.

Due to the approximate 2 week offset between a given monthly billing and a given calender month it was not possible to provide quantities of work performed per calender month in Section V. Operations of this report. Examination of the percentage of final quantity of work accepted under a given monthly invoice will give the reader a feel for the work performed during the adjoining calendar months. This is best exemplified by the work under the site cover system items such as clay (item 13), sand drainage layer (item 14), common fill (item 15), and top soil (item 16) invoiced under invoices 20, 21, 24 and 25 covering work from 8/15 - 12/15/90.

B. ENGINEERING CONTRACTOR

In November 1989, Lawler, Matusky & Skelly Engineers (LMS) was engaged to provide construction phase engineering services through a Waiver of Advertising to their site specific X-464 Term Contract engagement for the design of the Combe fill North Landfill remedial construction. Under the Waiver of Advertising LMS and the State executed a contract amendment for $894,941.29. The contract amendment provided the mechanism for LMS to perform the X-464 contract services described under Tasks 8 - 10 of the X-464 contract. For this project LMS was directed to include Task 9 as part of Task 8. Task 8 was for $880,304.49. Task 10 was for $14,036.80. The correct contract amount should have been $894,341.29 but due to a $600.00 arithmetical error LMS' contract was for $894,941.29. LMS did no work nor billed for any monies under Task 10.

Throughout the course of the project LMS and the State executed 3 change orders to Task 8. All the change orders added cost to LMS' contract. The sum of the three change orders was $49,616.01. The costs in LMS' original proposal and the final Task 8 costs approved by the Bureau of Construction are summarized below. Attachment 3 has a summary of all LMS Task 8 funding and billing, with a breakdown for each bill.

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VII. OFF SITE WASTE DISPOSAL

The Combe Fill North Landfill remedial construction entailed very little off site waste disposal. Off site disposal was required for the contents of two underground storage tanks. The first tank was handled under line item 3 of the construction contract, Gasoline Tank and Soil Removal. While performing the work under line item 3 another tank was discovered contiguous to the original tank. The second tank was processed under a change order. The location of the tanks was originally outside the design limits of the landfill cap and as such the surrounding contaminated soils were to be removed. However, because the tanks were located in a portion of the cap extension area, Redesign I, no underlying soil removal was called for.

The contents of the first tank, 1,933 gallons, were classified as Nonhazardous Waste water, DOT-NonRegulated and were transported under a bill of lading by Nappi Trucking, Mattawan, N.J., to the DuPont Chambers Works, Deepwater, N.J. for disposal.

The contents of the second tank, 721 gallons, were classified as RQ Waste Flammable Liquid NOS, UN 1993, and were transported under a N.J. Manifest, NJA1094419, by Nappi Trucking, Mattawan, N.J., to the DuPont Chambers Works, Deepwater, N.J. for disposal.

VIII. SCHEDULE

The Combe Fill North Landfill (CFNL) remedial construction Invitation to Bid, ITB X-002, fixed schedule date for substantial completion was 490 days from contract execution and final completion 60 days thereafter. The schedule in days was equivalent to about 16 months for substantial completion and about 18 month for final completion. Based on October 27, 1989 being the effective date of agreement between the State and Conti Construction Co., Inc. (Conti), the dates of substantial completion and final completion were fixed as March 1, 1991 and April 30, 1991, respectively. There were no other milestones stipulated in the contract other than those associated with various pre-Notice to Proceed documentation submissions such as the project schedule, work plan, health and safety plan, etc.

On November 6, 1989 Conti made an initial project schedule submission. Through the course of several letters and discussions NJDEPE, through LMS, accepted Conti's proposed schedule dated, January 12, 1990. Conti's schedule was accepted on January 25, 1990. Conti's approved schedule showed substantial completion being achieved before October 1, 1990, giving some 5 months of float before the contractual date of March 1, 1991 for substantial completion. Conti's schedule was approved only after Conti acceptance of 4 conditions. These conditions were:

1. The work is scheduled to last the entire period allowed by Contract.

2. The float shown is not owned exclusively by the Contractor.

3. Environmental impact concerns are not subordinated to Contractor's desire to complete what the Contractor perceives to be the work, ahead of schedule.

4. The Contractor cooperates to facilitate unimpeded, monthly, all-site inspections by environmental officers on the staffs of the Engineer and other regulatory bodies.

Conti accepted these conditions with the reservation that Conti could complete the project per the approved, early completion, schedule.

Conti achieved substantial completion on June 17, 1991 and final completion on July 1, 1991. This amounted to 170 calender days of overall project delay, 108 days for substantial completion and 62 days for final completion. See Attachment 5 for a bar chart schedule which shows Conti's projected sequence of events verses the actual sequence.

There were three principal reasons, which were responsible in whole or in part, for the schedule slippage. The reasons were:

1. That because of the timing of contract execution, mid-autumn 1989, the cap turf could not be established by March 1, 1991 unless the cap was completed and seeded by the end of the Morris County fall planting season of 1990, nominally by October 1st, per the NJ Soil Erosion and

Sediment Control Standards. Allowance of one month from October 1 to November 1 to allow seed germination and turf establishment meant that the effective schedule to achieve substantial completion was 4 months shorter than the contract allowed.

2. That because of the two major changed conditions, additional refuse requiring a cap extension, and unanticipated settlement requiring grading plan adjustment and on site mining, the DEPE had to place restrictions on the areas available to work. The principal work affected was on site excavation. Conti's schedule called for all on site excavation to be completed by the end of April 1990 whereas it was not completed until mid-October 1990. This represented a slip of some 5 months.

On February 8, 1990 Conti started the excavation operations required to recontour the landfill and prepare the landfill to accept the clay layer of the cap system. Excavation of earth and refuse proceeded on schedule until the discovery of additional refuse which required a cap extension, Redesign I (R/D I). The discovery of additional refuse caused the NJDEPE to suspend much of Conti's excavation operations from February 27 through March 8. After March 8 the NJDEPE was able to allow Conti to work in given areas of the landfill property. Concurrent with this LMS committed to completion of R/D I by March 23, 1990. However, the redesign was not completed until April 20, 1990. Due to the lateness of the complete redesign package, the DEPE released areas of available work to Conti which were not affected by the redesign or for which the redesign work was completed. This limited access, from early March 1990 to late April 1990 precluded Conti from returning to the scale of excavation that occurred in February.

As the DEPE allowed Conti full site access after having addressed the redesign for additional refuse, the DEPE had to again limit Conti's access to the full site because it became apparent that there was not enough on site material to complete the cap foundation. This volume short fall required the second redesign, R/D II. On May 14 Conti was again given a work suspension order and on May 21 Conti had to limit utilization of equipment due to lack of available work area. After June 29, 1990 there were no restrictions on full use of Conti equipment. However, it was not until October 1990 that sufficient on site common fill was made available to Conti that Conti was able to complete the cap foundation.

3. Conti's schedule slipped during the installation of the clay portion of the cap. Installation of the clay was not delayed by the changed conditions. Conti's schedule called for Conti to complete the clay layer in 6 weeks. In fact the clay layer took 6 months to construct. There was never a point while clay was being placed that clay placement operations had to be suspended due to lack of available subgrade. One clay used, Conduit clay, took from May 1990 to September 1990 to be accepted. This was the first clay used and accounted for less than 25 percent of the total clay layer area. Thus, the key operation that could have been affected by the

redesigns, the clay layer, never caught up to the operation affected by the redesign, preparing the base for the clay.

In evaluation of the overall 170 day schedule slip it was impossible for DEPE to clearly separate how the three factors above related to the delay and to each other. In evaluation of Conti's delay claim, the DEPE allowed Conti 19 days of delay. This included 5 days during R/D I, February 28 through March 6, and 14 days during R/D II, May 21 through June 14, 1990, excluding Memorial day (May 28) and June 6. Also, as part of the claims settlement process, the DEPE dropped all liquidated damages counter claims against Conti.

IX. CONTRACTOR PERFORMANCE

CONSTRUCTION CONTRACTOR

The overall performance by Conti Construction Co., Inc. (Conti) was good. This favorable evaluation is based on the quality of the constructed product as substantiated by the quality control testing results.

ON SITE WORK PERFORMANCE

Overall: The quality of Conti's performance on this project is largely a function of Conti's schedule slippage which resulted from the initial timing of the contract signing, from the redesign efforts, and from slippage during the clay layer installation. As the redesign efforts, especially the second redesign, were being completed it became readily apparent to all persons involved in the project that Conti may not complete the cap prior to the winter of 1990-1991. This caused Conti to accelerate operations which resulted in quality control problems. When the changed conditions were uncovered Conti appeared to have some difficulty changing the work plans to most effectively utilize the available work areas. Even with the difficulties Conti constructed the work using good judgment and attempted to provide work with good quality. The overall result was a completed project with overall good quality work.

Individual key work items performed are evaluated below:

Excavation and placement: During the CFNL project Conti was able to move large quantities of earth to proper line and grade. Conti's excavation of refuse proceeded in general accordance with the specifications with the exception of two events when Conti's compaction efforts were not completed in full accordance with the contract requirements. Overall Conti performed the excavation work in general accordance with the specifications, including compaction and other quality control aspects, health and safety, and record documentation.

Cap: This area has to be separated into the clay layer and the balance of the cap (sand, common fill, topsoil, turf). Due to slippage in Conti's approved schedule due to the redesign efforts and pressure from Conti wanting to finish the cap before the winter of 1990-1991, the Conti field staff worked somewhat hastily on the cap.

Clay Layer: Conti had a difficult time with the clay layer. The DEPE and LMS were tasked to have Conti provide clay in quantity and quality sufficient to satisfy the contract specifications. During the installation of the Conduit and the other clays Conti was found numerous times to be short material. Conti also placed more than the required 12 inches at times. This points out that it was improper quality control and supervision which was the problem, not an effort to cheat the State. As a way of addressing the recurrent shorting and moreover to eliminate repairing desiccation cracks, Conti began placing 14 inches of clay about midway in the clay layer installation.

In addition, material discrepancies were discovered between approved verses actual clay being placed.

Sand, Common Fill: By the time Conti performed the majority of this work the pressure to finish the cap before the winter of 1990 had increased and as a result Conti quality control slipped further. Problems encountered were shorting and excess material, mixing materials, and failure to tie in layers correctly. However, the work involved was very easy and cap function was not compromised.

Topsoil, Turf: When the majority of the installation of the topsoil and turf establishment work was transpiring it was already too late in the fall of 1990 to expect turf establishment. Prior to winter 1990-1991 only some 13 acres of the 63 acres of turf required were established. Repair to areas of erosion and areas where turf was not established was performed between April and June 1991.

The topsoil used was from two sources. One source was called Dallenbach topsoil. Conti asked for and received authorization to use this material at Conti's own risk because the required testing regimen was not completed at that point. This proceeded in early November 1990. At that point in the project Conti was under extreme pressure to complete the project prior to the onset of winter. When the material profile was submitted for this material it did not match the actual material imported. Additionally the material did not have a uniform pH, contained many oversized tree roots, stones and branches, and fit the description of acid bearing soils, i.e. was black with low pH. Conti was required to remove the oversized materials during the topsoil layer installation and in the spring of 1991 Conti was required to perform additional testing and made pH adjustments with lime, plus remove additional oversized material which had been discovered. Had not the DEPE pressured Conti to make corrections to the topsoil this material would have remained as imported, with oversized material and questionable pH.

Redesign I Elements: These elements were primarily the 30 mil PVC liner in the cap extension and its associated sand bedding. Conti placed additional liner not called for, deleted liner depicted in the redesign drawings, and also shifted the individual liner panels. Despite this, the placing of the liner was performed in general conformance with the redesign drawings and was accepted by the DEPE. Conti performed the liner seaming with the specified quality control.

In the construction of the liner cap Conti had to pay particular attention to the slopes being covered since the liner was covering channels with nominal 3:1 side slopes. Conti did not adequately protect the in place materials and on several occasions lost large quantities of sand and had liner damage which had to be repaired. Overall the liner installation was fair.

Channels: Overall, Conti did an excellent job on the channels. Conti had foremen with years of gabion experience install the channels. The channel's aesthetics were excellent. The structural integrity of the

channels was very good. Only in one general location were warranty repairs needed.

Sand Drainage Piping: This work was performed rather hastily, with the rest of the upper cap layers, and as such had to be watched closely to maintain adequate quality control. Despite the inspections, several blockages were noted during the pipe testing and repairs had to be made. For the approximate 20,000 feet of pipe installed the overall quality of the installation was fair.

Health and Safety Plan: The contract required Conti to implement a health and safety plan for its workers. Conti performed real time air monitoring and laboratory analyses of air samples as specified by contract. Conti also maintained adequate means to effect personnel decontamination for this project. Overall Conti's health and safety performance was fair but one major instance of health and safety impropriety was documented.

Conti did not properly implement the required MSP and 40 hour training requirements for Conti personnel. As a result of a DEPE inquiry, Conti had to effectively shut down construction work for over a week in April, 1990 in order to properly train its workers in health and safety procedures.

ENGINEERING CONTRACTOR

Lawler, Matusky & Skelly Engineers (LMS) provided both on site and off site engineering services during the CFNL project. The LMS evaluation is broken down into the on site and off site services.

ON SITE SERVICES

LMS's duties on site were principally to inspect the work, survey as needed to verify excavation quantities, check pay quantities for all work items, and to resolve problems with the construction contractor (Conti). The LMS staff consisted primarily of a Resident Engineer (RE) and 2-3 inspectors. The on site inspection staff did a good job maintaining quality control and verifying pay quantities on the project. This is especially true for the clay layer installation.

The first RE LMS used was interacting ineffectively with both the DEPE or Conti on environmental and contractual dispute matters. As a result, LMS had to provide excessive support from the office group. After the first RE was replaced, in July 1990, this situation was rectified, however, it took LMS from March 1990 to July 1990 to make the replacement. Furthermore, by the time of the RE replacement most of the disputed matters were already past the stage of RE involvement and were either resolved or on the way to being formalized as claims by Conti.

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OFF SITE WORK

Most of the efforts required by the office staff were to manage contract disputes and to perform redesign work. This review evaluates both aspect individually.

DISPUTE MANAGEMENT

LMS provided two levels of service during the project to aid in resolving disputes. During ongoing construction operations LMS performed reasonably well in assisting with contract interpretation and giving design clarification. As is customary on DEPE construction projects, after the construction operation is complete the consulting engineer only reviews portions of the project and provides data as requested and the DAG's office manages the rest of the dispute. LMS did all reviews and provided data as requested by the DEPE.

REDESIGN EFFORTS

LMS had to perform two redesign efforts, R/D's I and II. LMS' performance on R/D I was less than acceptable due to being delivered behind schedule.

Redesign I: The greatest problem with LMS's R/D I effort was the time it took to complete. The redesign was supposed to be completed by March 23, 1990. The actual final drawings were not completed until May 2, 1990. Overall the work performed by LMS on R/D I showed lack of attention to detail and cross checking. However, the inattentive work may have been due more to LMS agreeing to a schedule which was impossible to meet rather than poor performance.

Redesign II: LMS' performance on R/D II was much better than on R/D I. Due to a survey caused redesign error LMS' initial revised grading plan was in error. LMS was not required to maintain a survey team capable of providing the level of accuracy required to perform the redesign. Due to disputed regrading work performed by Conti during the early stages of R/D II the redesign effort and the entire project to come to a halt in early June 1990. After the regrading situation was resolved the redesign effort resumed and LMS performed well.

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X. CONTRACT MODIFICATIONS

CONSTRUCTION CONTRACTOR

All totaled the construction contractor, Conti Construction Co., Inc. (Conti) was issued 14 change orders during the Combe Fill North Landfill (CFNL) remedial construction. The first 13 of the change orders were issued during the site work and either added or deleted work as required to complete the project. The last change order closed out the project and included as-built debits and credits and a claims settlement. The total costs incurred for all the change order work was $3,022,261.98.

All the change orders were promulgated such that the costs of the change orders were determined to be reasonable, allocable, allowable, and therefore acceptable, as required under the DPFSR Procedures Manual. In addition the engineering services contractor, Lawler, Matusky & Skelly Engineers (LMS) with one exception had, in writing, notified the DEPE that: the change orders were required; the costs incurred under each change order were fair; and that LMS recommended approvals of each change order. The one exception is a $2,100 change order alteration of the turf seed mix, see below.

All the change orders are summarized below. The summaries include the change order number, which references the fiscal year (1990, 1991, or 1992), site number (008 is for CFN), and change order number (number of CFNL change orders to date, there were 7 change orders issued prior to the start of remedial construction); a description of why the change order was needed; costs under the change order; and why those costs were justified.

1. 90-008-08: $14,800.00

The work under this March 1990 change order, was to construct five (5) monitoring wells (piezometers) in the south east region of the Combe Fill North Landfill site (CFNL). The justification of the additional work order was based upon a changed condition. The changed condition was the unanticipated extent, amount and locations of ground water, surface water, and leachate as discovered on site. This water had resulted in a wet condition in areas Conti had graded to base of cap contour. Conti and NJDEPE were uncertain as to whether this water, found at the interface of the base fill and the clay cap, would compromise the constructibility of the cap, or the integrity of the finished cap. The origin, behavior, and extent of this water problem was not understood to the greatest extent practicable. The installation of the monitoring wells for the purpose of ground water modeling had been formally recommended as necessary by LMS to determine if a constructive change(s) needed to be made to the design of the remediation which was already underway.

This change order had a not to exceed cost of $14,800.00. This cost figure resulted from multiplication of the unit cost, $80.00 per linear foot, by the specified not to exceed total length, one hundred and eighty five (185) feet. The DPFSR cost analysis manual presented

costs for wells on the basis of per foot, lump sum and hourly costs. Comparison of the specifications for the wells under this change order and the costs provided in the DPFSR cost manual for identical work and the terms of Conti's contract showed the same work would cost $15,576.33. This was $776.33 higher than the cost under this change order, with a comparison unit price of $84.20 per linear foot, which was $4.20 higher per unit than the actual per unit cost.

2. No. 90-008-10: $447,200.00

The work under this April 1990 change order, was to excavate, relocate, and compact to line and grade 55,900 cubic yards of additional refuse. The additional refuse excavation was necessary in order to construct a redesigned closure system. The redesign of the closure system was needed due to a changed condition: the discovery of approximately 350,00 cubic yards or some 11 acres of additional refuse.

This change order was for a portion of the work required under the first redesign (R/D I) effort. This was the first of the three R/D I change orders. Three change orders were required because some of the work requirements and prices were defined prior to others. This change order allowed Conti to continue operations with the least amount of disruption to the time schedule of Conti's overall landfill closure activities.

The basis of the cost under this change order was that contract prices may be exceeded by extension of unit prices from the Contract Documents. The Unit Price, $8.00 per cubic yard, used was from Line Item 9 of the Price Schedule: Relocate refuse from outside landfill into landfill. The quantity used, 55,900 cubic yards, was from LMS' estimated quantities. Multiplication of unit price by quantity yielded the cost in this change order for this extra work: $447,200.00.

3. No. 90-008-11: $219,640.00

The work under this May 1990 change order, was to excavate, relocate, and compact to line and grade 57,800 cubic yards of additional on site common borrow. The additional on site common borrow excavation was necessary in order to construct the closure system as modified by R/D I. This change order was required because Conti was nearing the contract quantity under Line Item 11 of the Price Schedule: Earthwork, Excavation, Grading and Compaction of on site material.

The R/D I work was broken into three change orders, as noted above. This was the second of the three change orders. This change order allowed Conti to continue operations with the least amount of disruption to the time schedule of Conti's overall landfill closure activities.

The basis of the cost under this change order was that contract prices may be exceeded by extension of unit prices from the Contract Documents. The Unit Price, $3.80 per cubic yard, used was from Line

Item 11 of the Price Schedule: Earthwork, Excavation, Grading and Compaction of on site material. The quantity used, 57,800 cubic yards, was from the LMS' estimated quantities. Multiplication of unit price by quantity yielded the cost in this change order for this extra work: $219,640.00.

4. No. 90-008-12: $343,119.61

The work under this May 1990 change order, was to complete construction of the R/D I redesigned closure system as specified by LMS. Attendant to the cap extension were the following: alteration of contour lines, i.e. changes to cut and fill lines and associated quantities of excavated earthen and refuse material; modifications to the gabion surface water drainage channels; incorporation of polyvinyl chloride (PVC) liner as part of the impermeable layer component of the cap; revisions to gas vent trench and point gas vents; and revisions to drainage layer perimetry drain.

The additional work associated with the entire redesign effort was to be broken into three change orders. Change orders 90-008-10 and 90-008-11 were for extra work required under line items 9 and 11 respectively. These two change orders were executed to allow work to continue with the least amount of disruption to the time schedule of Conti's overall landfill closure activities. The delay in processing this final portion of the overall contract modification attendant to construction of the redesigned closure system was because some supplemental costs had to be determined through negotiations with Conti.

The work under this change order involved both extra and supplemental items. The extra items were further divided between those which yielded a net cost credit and those which yielded a net cost debit. There were no credits associated with any of the supplemental work. The quantities associated with the extra work debits and credits and the supplemental work costs were based on take off of the contract drawings as modified by LMS under R/D I.

5. No. 90-008-13: $1,524.00.

The work under this June 1990 change order, was to have Conti perform up to four (4) hours of test pitting in the northwest region of the Combe Fill North Landfill site. This work was performed to allow evaluation of the materials in this area as the material was being contemplated for use as common borrow material under the cap as part of the second redesign effort (R/D II). See change order 91-008-17 for a R/D II discussion.

This change order had a not to exceed cost of $1,524.00. This cost figure resulted from multiplication of the unit cost, $381.00 per hour, by the specified not to exceed total time, four (4) hours. The per hour unit price was developed as per Article 13.3.C and Article 13.3.D of the X-002 Invitation to bid's Contract Documents. Article 13.3.C states that the value of the work covered by a change order may be determined on the basis of the "Cost of the Work" plus a

contractors fee for overhead and profit. The "Cost of the Work" was determined as per Article 13.4. Conti's bare equipment costs were based upon Blue Book rates. The bare labor costs were Conti's true labor costs.

6. No. 91-008-14: $9,650.00

The work under this July 1990 change order, was to allow Conti to perform the work required to assure the proper disposition of an additional gas tank. This additional tank was discovered on May 8, 1990, adjacent to the one known underground storage tank slated for removal under the contract. The work on the known tank proceeded under Line Item 3, Gasoline Tank and Soil Removal.

This change order had a not to exceed lump sum cost of $9,650.00. The price was developed as per Article 13.3.C and Article 13.3.D of the X-002 Invitation to Bid's Contract Documents. Article 13.3.C states that the value of the work covered by a change order may be determined on the basis of the "Cost of the Work" plus a contractors fee for overhead and profit. The "Cost of the Work" was determined as per Article 13.4. Conti's bare equipment costs were based upon Blue Book rates. The bare labor costs were Conti's true labor costs.

7. No. 91-008-15: $0.00

Under this August 1990 no cost change order DEPE, as recommended by LMS, redistributed existing quantities under Line Items 9, 10, and 11 utilizing only contract unit prices. The redistribution of quantities under these Line Items was needed because the actual distribution of quantities contained within the Line Items had varied from those originally estimated by LMS. This change order allowed Conti to perform the additional work recommended by LMS. The total net cost of this Change Order was $0.00. The total cost change of this Change Order was $441,200. The total cost change was the sum of the total cost increase (added quantities of LI's 10 and 11) plus the absolute value of the cost decrease (deleted quantity of LI 9).

8. No. 91-008-16: $0.00

Under this July, 1990 no cost change order DEPE, as recommended by LMS, restructured the payment terms for Line Item 30, Maintain and Repave Gold Mine Road. The payment terms for Line Item 30 did not adequately allow for progress payments which accurately reflected the value of the work accomplished during any given billing cycle. Line Item 30 required that both repaving and maintaining Gold Mine Road proceed during construction. However, as bid, Line Item 30 did not provide any means for payment of maintenance work performed on Gold Mine Road until the repaving work was performed. The repaving was a separate event of limited duration whereas the maintenance was an ongoing work item during the project's length. This no cost CO separated the repaving and maintenance as two (2) separate pay items. This allowed progress payments for maintenance of Gold Mine Road which was ongoing for the duration of the project.

9. No. 91-008-17: $461,880.17

The work under this July 1990 change order, was to allow Conti to perform the work required to construct the redesigned landfill closure system as specified by LMS. This change order was the primary means through which Conti performed the work required to construct the landfill closure per the second redesign effort (R/D II).

The adjustment to the Combe Fill North Landfill closure design was necessitated by a material shortfall which precluded building the landfill to the original design grades. This material shortfall was mainly due to the unanticipated rapid rate of constructive phase settlement. This resulted in the landfill containing inadequate refuse and fill to reach the original design grades.

The principal work involved was reduction of the landfill cap grades and excavation of additional on site common borrow. The reduction of grades decreased the slopes of the landfill from 5% to 4% in approximately 22 acres of the landfill. Regrading of material in place, to attain the lowered grades, was required in approximately 8 acres of the redesign area. The amount of regrading necessary was held to a minimum by LMS, but some regrading had to be specified due to the limited amount of material available on site. R/D II reflected the most cost effective balance between regrading and filling required to reach a structurally sound solution to the material shortfall found to occur during construction of the Combe Fill North Landfill remediation.

Attendant to the principal R/D II work the following tasks were also performed: soil erosion control measures in the excavation area; fence demolition and reinstallation as required to allow full access to the excavation area; clearing and grubbing in the area to be excavated for additional on site common borrow; and height adjustment of 25 of the main landfill area gas vents in the area of the reduced grades.

10. No. 91-008-21: $75,861.90,

The work under this September 1990 change order, was to allow Conti to perform the work required to excavate, relocate, and compact to line and grade 19,500 cubic yards of additional on site common borrow under Line Item 11 (LI 11). Attendant to the additional excavation was the clearing and grubbing of 0.6 acre of land. The additional on site common borrow excavation was necessary in order to construct the closure system as specified by LMS.

This change order was an adjustment to the Combe Fill North Landfill closure plan as modified under change order 91-008-17 (R/D II) and was necessitated by continued material shortfall. The material shortfall also precluded construction of the landfill to the revised design grades presented under change order 91-008-17. The continued material shortfall was mainly due to unanticipated settlement. The grading plan of the cap area affected by the material shortfall was altered to minimize the additional fill requirement. The alteration was a slope reduction, generally from 4.0% to 3.5% in the area of the landfill not

yet brought to grade.

11. No. 91-008-22: $139,864.00

The work under this October 1990 change order, was to allow Conti to construct an additional area of cap, up to 1.2 acres, as specified by LMS. The work involved was cap extension to incorporate additional refuse. The additional area was between the east and north channels, and the then existing cap limit. The length was about 550 feet and the average width was about 80 feet. Attendant to the cap extension was excavation of earthen and refuse material and construction of a stone subbase as needed. The cap materials were added to the contract through extension of the unit priced cap material quantities; the necessary excavation was within existing excavation line item balances; and the stone subbase construction was to be performed via an additional supplemental line item, S-19. The stone subbase was necessary to alleviate a wet condition which would prohibit construction of the cap extension.

12. No. 91-008-23: -$36,790.04 (CREDIT)

The items covered under this November 1990 change order were:

- a correction to a previous oversight regarding the payment mechanisms used to establish grass cover in the areas affected by the cap extension, documented under change order 90-008-12. This required two credits be taken.

- to provide a payment mechanism for the establishment of grass cover in the area of additional common borrow excavation, due to material shortfall, documented in change orders 91-008-17 and 91-008-21. This required a cost be incurred.

The two credits ($39,332.04 under LI 17, Seeding; and $40,608.00 under LI 18, Soil Erosion Control Blanket) and a debit ($43,150.00 under LI 32, Environmental Restoration) netted out to the change order amount of -$36,790.04.

13. No. 91-008-24: $2,100.00

The work under this October 1990 change order, was to allow Conti to use a different seed mix for establishing the cap turf than specified in the X-002 Contract. The change in Specification was requested by the Bureau of Construction/Operations and Maintenance Section. The basis for the change was that the seed mix which was in use would result in a monoculture vegetative cover that would have a greater degree of environmental susceptibility and enhanced erosion potential as compared to the replacement mixes which were comprised of several grass species.

14. No. 92-008-25: $931,844.63

This change order was for claims settlement/project closeout and is discussed in the Claims section of this report.

ENGINEERING CONTRACTOR

The Engineering Contractor, Lawler, Matusky & Skelly Engineers (LMS) was issued 3 change orders during the project. The three change orders totaled $49,616.01, which raised LMS' original contract amount, $894,941.29, to $944,557.30.

All the change orders were promulgated such that the cost of the change orders were determined to be reasonable, allocable, allowable, and therefore acceptable, as required under the DPFSR Procedures Manual. All the change orders also required Waivers of Advertising because LMS was engaged under a Waiver of Advertising.

All the change orders are summarized below. The summaries include a title for the change order; the change order number, which references the fiscal year (1990 or 1991), site number (008 is for CFN), and change order number (number of CFNL change orders to date, there were 7 change orders issued prior to the start of remedial construction); a description of why the change order was needed; costs under the change order; and why those costs were justified.

1. 90-008-09: $33,798.76

This change order, originating in March 1990, was to pay LMS for providing additional, beyond the anticipated scope of their engagement, design services attendant to redesign of the Combe Fill North Landfill. The design service was to perform the redesign needed to address the approximately ten (10) acres of additional refuse, discovered in 2/90, not delineated in the original design phase (R/D I). The redesign included extension of the cap to, or closer to, the property lines on the east and south sides of the CFN property. Attendant to the cap extension redesign were the following:

- Alteration of contour lines.
- Incorporation of synthetic liner as part of the impermeable layer beneath the gabion surface water drainage channels.
- Revisions to gas vent trench and point gas vents.
- Revision to drainage layer perimetry drain.
- Estimation of quantities and costs prior to initiation of change order to Construction Contractor.
- Subsequent to construction change order initiation, evaluation of Construction Contractor costs/prices and subsequent involvement in negotiations with Construction Contractor to reach reasonable, allocable, allowable, and acceptable costs/prices for implementation of the constructive changes due to the additional refuse.

The total cost was comprised of direct labor at $11,039.21; overhead (1.541 x direct labor) at $17,011.42; profit (0.38 x direct labor) at $3,510.47; and direct expenses at $2,237.66. All unit rates were per LMS' contract. Level of effort was negotiated with DEPE.

2. 91-008-18: $12,421.25

This change order, originating in July 1990 was needed in order to more reasonably ensure that proper quality assurance/quality control (QA/QC) measures were being maintained by the Construction Contractor, Conti Construction Co. Inc. (Conti), during the installation of the cap's clay layer. This was accomplished by LMS contracting the services of an independent soils testing laboratory as a subcontractor to LMS. LMS proposed, and DEPE approved, the use of Tectonic Engineering Consultants P.C. (Tectonic), to validate the testing performed for Conti by their soils consultant, Woodward Clyde Consultants. LMS and NJDEP did not expect actual QA/QC field testing to be required by the engineer in the performance of resident engineering services at CFN. LMS did not maintain the instrumentation or technical staff to provide such testing. Having had an independent party, such as Conti had in Woodward Clyde, substantiate and or cause the initiation of LMS QA/QC related work directives not only established greater credibility of such directives but aided in assuring that proper corrective actions were taken by the construction contractor.

LMS solicited quotations from three vendors for this work. LMS chose the vendor which bid the lowest cost. The costs under this change order were the expenses of Tectonic. LMS' received no profit under this change order.

3. 91-008-19: $3,396.00

This change order, originating in September 1990 was necessary to provide a rental vehicle for on site use by LMS staff. The use of a rental vehicle permitted LMS better mobility around the approximately 90 acres of construction activities. Without the use of a vehicle the LMS staff would have had to inspect the construction operations on foot, which did not lend itself to either timely or flexible inspections of the site.

LMS solicited quotations from four vendors for this work. LMS chose the only vendor to provide a quote.

LMS was contractually allowed to add only the expected cost of the vehicle rental to their contract amount. No profit was allowed under this change order.

XI. CLAIMS

CONSTRUCTION CONTRACTOR

INTRODUCTION

In February 1991 Conti Construction Co., Inc. (Conti) submitted 31 individual claims totaling $4,648,065.37 and an as-built quantity payment request of $521,982.56. Due to minor arithmetical errors and some overlap between the claims and as-built quantities the claims and as-builts actually totaled $4,641,439.43 and $134,359.22 respectively. Thus, the total additional compensation requested by Conti in February 1991 was $4,775,798.65. Conti also sought release of retainage totaling $307,207.18.

As a result of more than a year of review, revisions and negotiations of these claims, a final settlement was reached to pay Conti a total of $1,500,000. This amount both would cover retainage and other monies due and owing Conti under the original contract ($568,155.37), and would cover three areas of additional costs incurred by Conti on the project which are reflected in change order 92-008-25: (1) Costs for supplemental work ordered by DEPE beyond the scope of the original contract ($221,141.47); (2) costs for additional work ordered by DEPE within the scope of the contract ($440,545.40) and (3) costs for suspensions of work which resulted from changed conditions beyond the control of Conti or DEPE ($270,157.76).

Based on the settlement, Conti's supplemental claims were reduced from $4,641,439.43 to $1,063,323.08, and Conti's as-built claims were reduced from $134,359.22 to $129,469.74. In addition, Conti was paid the full $307,207.18 which had been retained by the State pending final settlement of the contract, for a total settlement of $1,500,000. Of this settlement, $199,890.71 of the supplemental claims and $61,057.48 of the as-built claims consisted of line-item payments due and owed Conti under the contract. As such, these amounts and the $307,207.18 in retainage did not require a change order as they could, and were, paid out of contract quantities and funds already available for these items.

Change order, No. 92-008-25, was for $931,844.63 and was part of $1,500,000 settlement of all outstanding charges, costs and claims for the Combe Fill North Landfill (CFNL) contract with Conti Construction Company (Conti). Change order 92-008-25 was for costs incurred by Conti for which quantities and/or prices could not be agreed upon by the State and Conti during the course of the work.

The costs of change order 92-008-25 resulted for the most part from changed conditions at the CFNL beyond the knowledge or control of Conti and DEPE at the time the contract was executed. Shortly after Conti began work at the site, the DEPE discovered considerable areas and quantities of refuse that were not contained in the original design for the cap and discovered that the landfill was settling at a greater rate that anticipated. As a result of these discoveries, the landfill cap had to be redesigned twice in the Spring of 1990. These

redesigns required Conti both to suspend work on the cap for periods of time and to subsequently do additional work on the cap.

The $931,844.63 amount of change order 92-008-25 consisted of the total settlement ($1,500,000) minus those supplemental claims ($199,890.71), as-built claims ($61,057.48) and retainage ($307,207.18) already due and owing Conti.

In addition to the quantity overruns and supplemental work incorporated in change order 92-008-25, there were also significant underruns of projected line item costs for this contract totaling $629,100.41. When the total of these underruns was subtracted from the total of change order 92-008-25, the net increase in the cost of the contract resulting from this settlement was only $302,744.22.

The terms of the settlement are incorporated in three documents:

1. Letter dated May 8, 1992 from DAG Burton Weltman to Mark Fleder, Esq. (Conti's lawyer)

2. Release dated May 14, 1992 from Conti.

3. Release dated May 18, 1992 from DEPE.

The costs for the work paid for under change order 92-008-25 were determined in accordance with Conti's contract. The costs were both for extra and supplemental work.

Contractual authority for the extra work contract adjustments was contained in Contract Article 13.3.A which authorized the "application of unit prices to the quantities of the items involved" where extra quantities are required.

Extra work debit items were based upon the actual quantities of various work items actually provided by Conti and accepted by the State.

The contractual authority for the supplemental contract adjustments was contained in Contract Articles 13.3.C and D which provided a "Cost of the Work" mechanism to determine the price for supplemental work. The costs allowed were outlined in Article 13.4.

There were two types of supplemental costs in change order 92-008-25. The first type of supplemental cost was for overruns of supplemental items which were added to the contract under change order 90-008-12. The unit pricing for these items was justified under change order 90-008-12. The second type of supplemental item under change order 92-008-25 was new work for which no previous pricing under this contract had been developed. For this second supplemental work type Conti provided itemized cost breakdowns for each of the new work items. The cost breakdowns were attached to change order 92-008-25. The DEPE adjusted Conti's claims to be consistent with applicable union wage rates and Blue Book equipment rates as necessary for each item under change order 92-008-25.

SUPPLEMENTAL WORK PERFORMED OUTSIDE CONTRACT SCOPE ($221,141.47)

The work under this category was outside Conti's scope of work as defined in the contract plans and specifications. The work was necessary to meet the objective of proper closure of the CFNL in a safe, environmentally sound, and cost effective manner. Since fixed prices could not be agreed upon by Conti and DEPE, the work was performed consistent with Contract Article 13.4 (Cost of the Work) and Conti's costs were submitted as claims.

The work was necessary for three basic reasons:

1) The original contract did not foresee certain work which had to be performed to maintain and meet the goals of the remedial action.

2) The first redesign of the project required some additional work. The first redesign (R/D I) was required so as to incorporate into the cap some 350,000 cubic yards of additional refuse. R/D I resulted in a cap extension, part of which was a PVC cap, different than the clay cap in the original contract. The work associated with R/D I was performed under change orders 90-008-10, 11, and 12. However, some items of work were required but not paid for because the amount of compensation could not be agreed upon.

3) The second redesign of the project required some additional work. The second redesign (R/D II) was required to adjust for an unexpectedly high rate of settlement which resulted in a shortfall of fill material inside the cap. The major result of the material shortfall was that DEPE had to change the cap grading plan and had to direct Conti to mine some 85,000 cubic yards of material. The work associated with R/D II was performed under change orders 90-008-13, 15, 17 and 91-008-21. However, some items of work were required but not paid for because the amount of compensation could not be agreed upon.

The supplemental work comprised 23.73% of the cost under change order 92-008-25. Since the performance of these work items was integral to the successful and timely completion of the project the work was ordered to proceed even though price was not agreed upon. Because of the difficulty reaching price agreement the listed items were considered in dispute and were submitted as claims by Conti consistent with the "Cost of the Work" provisions of Article 13.4.

The individual items were:

TRAFFIC CONTROL ON GOLD MINE RD. $29,443.40

Conti was required by DEPE to provide signs and police coverage for traffic control. Neither of these were provided for in Conti's contract, but were required by Mount Olive Township. The amount due was based on Conti's actual time and material costs.

The settlement amount was equivalent to the time and material cost data Conti had presented, with backup documentation, which showed that

the amount claimed was in conformance with the terms of Conti's contract.

CYANIDE TESTING $4,660.00

Conti was required by DEPE to provide for analysis of the Target Analyte List (TAL) compounds. The original claim was for $29,809.50, but was revised downward. Conti performed 8 sampling and analytical events of surface and ground water around the site perimeter during the term of the project. The DEPE granted that Conti's contract did not provide that Conti had to sample and analyze for cyanide. As part of the sampling regimen, Conti collected and analyzed 87 samples for cyanide. The DEPE accepted Conti's settlement offer of $4,660.00 as part of the overall negotiation process. The accepted costs of the cyanide testing were justified based on the State's X-408 contract unit price from the same vendor which supplied Conti's data plus a realistic model of actual field costs associated with the sampling which took place on the project.

CLAY TESTING $40,782.00

DEPE changed the regimen of clay quality assurance/quality control (QA/QC) testing. The State received a far superior clay QA/QC regimen, which provided for permeability testing not provided for under the contract. The amount due was based on the differential between the value of the contractually specified QA/QC testing and the actual QA/QC testing. The settlement amount was Conti's settlement offer.

Conti's contract only required that Conti perform nuclear gage testing of the in place clay once per each 1,000 square feet. DEPE directed Conti to perform the following tests: nuclear gauge, sand cone/rubber balloon, and permeability. The actual frequency of testing and number of tests was field directed.

Using unit pricing proposed by Conti and the actual number of tests performed the cost for the testing was determined to be $65,720.00. Unit cost justification for Conti's rates was based on cost data obtained from solicitations in 1990 and 1991 from this and another DEPE landfill project. A credit for the specified testing (determined to be $26,870.00) had to be taken. Subtracting the cost of the specified testing from the actual testing and applying the cost of the work approved 5% markup for subcontracted services showed Conti's claim cost to be justified.

MINING $85,000.00
MINING SURVEY $25,960.29

Under R/D II, DEPE directed Conti to excavate some 85,000 cubic yards of on-site earthen material from outside the limits of the contractually defined work zone. This work was outside the scope of Conti's contract. Under the terms of Conti's contract, Conti was allowed to bill for the work on a time and material basis. The amount due was based on the differential between Conti's allowed time and

material costs and the previous progress payments which were made under the on site earthen material excavation line item. The mining portion of this claim was submitted at $209,939.44, but was revised downward.

The settlement amount was, with two exceptions on the mining portion of the claim, equivalent to the time and material cost data Conti had presented, with backup documentation, which showed that the $209,939.44 (mining) and $25,960.29 (mining survey) claimed were in conformance with the terms of Conti's contract.

The first exception was that DEPE disallowed Conti's equipment rates and instead used monthly Blue Book rates. This was done because Contract Article 13.4 only allows the used of equipment rates which "are not to exceed Cost Reference Guide Rates". Because the work took place over a 5 month period monthly Blue Book rates were applied in lieu of the weekly rates Conti provided in their claim.

The second exception was that DEPE disallowed any additional field overhead being allocated to the work under this claim. This was done because the work did not involve any additional administrative effort on the part of Conti because the work was a natural progression of work already underway.

REDESIGN II CLEARING $6,916.25

Under R/D II, DEPE directed Conti to clear and grub an area in preparation for excavation. The settlement amount was equivalent to the time and material cost data Conti presented, with backup documentation, which showed that the $6,916.25 claimed was in conformance with the terms of Conti's contract.

REDESIGN I SURVEY	$3,510.00
REDESIGN II SURVEY	$3,510.00
	$7,020.00

Under both redesign efforts, Conti had to resurvey areas of work which had already been surveyed. The surveys were to reset the limits of excavation and placement, both with respect to area and volume. The amount due was based on Conti's allowed time and material costs. The settlement amount was equivalent to approximately one half of the $14,019.42 time and material cost data Conti has presented, with backup documentation, which showed that the amount claimed was in conformance with the terms of Conti's contract.

The settlement amount was one half the submitted amount because of the difficulty Conti had disproving that, as DEPE asserted, the survey work was associated, as an overhead item as was originally bid, with additional compensation Conti received under the excavation line items of the contract. However, DEPE could not disprove that, as Conti asserted, the work under this claim was wholly associated with Conti having to resurvey areas in order to lay out the work which had already been laid out because of DEPE directed changes to the work. Due to the impossibility of clarifying the situation and with each

side recognizing merit in the other side's argument it was negotiated to divide the claim half by way of reaching settlement.

NORTH CAP EXTENSION $5,500.00

Under Change Order 91-008-22, a separate cap extension was required for a small area on the north side of the landfill. This work was performed late in the project after Conti had ostensibly finished the cap in the surrounding areas. Conti's compensation was in part based on the fact that the work had to be performed out of sequence, which increased Conti's cost. The amount due was based on Conti's allowed time and material costs. The settlement amount was equivalent to approximately one half the time and material cost data Conti had presented, with backup documentation, which showed that the $10,701.31 claimed was in conformance with the terms of Conti's contract.

The settlement amount was one half the submitted amount because of the difficulty resolving whether or not the cap extension was known as being necessary prior to its being out of sequence. Due to the impossibility of clarifying the situation and with each side recognizing merit in the other side's argument it was negotiated to divide the claim half by way of reaching settlement.

SOIL CONSERVATION DISTRICT SURVEY $6,139.00

Conti performed survey work for submission to the Morris County Soil Conservation District at the direction of the State. The State received the full value of the work in the form of a deliverable which was furnished to the District. The settlement amount was equivalent to the time and material cost data Conti has presented, with backup documentation, which showed that the $6,139.00 claimed was in conformance with the terms of Conti's contract.

SOUTH CHANNEL UNDER DRAIN $6,000.00

This work was approved by the State and was to be performed under change order 91-008-20. However, Conti did not timely submit the backup documentation to permit timely execution of the change order. The work was to provide a means, via installation of a stone under drain, to drain an embankment which exhibited surface water flow voluminous enough to prevent the installation of the PVC liner as called for under R/D I. The requirement of this work could not have been known when the R/D I change orders were executed.

The settlement amount was equivalent to approximately one half of the $12,222.74 time and material cost data Conti had presented, with backup documentation, which showed that the amount claimed was in conformance with the terms of Conti's contract. The claim was split by DEPE because Conti performed half the work on the West Channel, which was expressly disallowed in the field by DEPE staff, whereas the work on the South Channel was expressly approved by DEPE. Since the work performed was distributed equally between that which was allowed verses that which was disallowed the claim was essentially halved.

GOLD MINE ROAD BERM $3,720.53

Under R/D I, Conti installed a catch basin on Gold Mine Road. Conti was not provided with a means to improve the roadside berm by the basin. Conti adequately showed that without improvement to the berm the basin may not have performed adequately and surface water may have entered the site in an uncontrolled fashion causing damage. The amount due was based on Conti's allowed time and material costs.

The settlement amount was equivalent to the time and material cost data Conti had presented, with backup documentation, which showed that the $3,720.53 claimed was in conformance with the terms of Conti's contract.

SUSPENSION OF WORK DUE TO CHANGED CONDITIONS ($270,157.76)

The items below were to compensate Conti for justified equipment and overhead costs incurred due to work suspensions during the two redesign efforts and also for a prorated portion of the winterization efforts prior to, and repairs after, the winter of 1990-1991 due to a one month schedule slippage attributable to the suspensions. This compensation was pursuant to Article 17.1, Suspension of Work. The work suspensions compensated for under this claim are in no way attributable to actions on the part of Conti. These items comprised 28.99% of the cost of change order 92-008-25.

REDESIGN I AND II WORK SUSPENSIONS		$68,154.75
		$68,154.75
	Subtotal:	$136,309.50
REDESIGN I AND II INCREASED OVERHEAD		$62,830.33
	Total:	$199,139.83

Work was suspended to evaluate and design a response to the changed conditions that caused the two redesign efforts. The work suspensions occurred during portions of the period February - July, 1990. These claims were treated as one claim submitted at $538,639.58.

The settlement amount was, with five exceptions, equivalent to the time and material cost data Conti had presented, with backup documentation, which showed that the $538,639.58 claimed was in conformance with the terms of their contract.

The first exception was that DEPE disallowed Conti's equipment rates and instead used monthly Blue Book standby rates. This was done because Contract Article 17.1 only allowed Conti to be reimbursed for their costs (no profit is allowed) incurred as a result of a work suspension. Rather than attempting to determine Conti's costs for equipment DEPE used monthly Blue Book rates and excluded the Blue Book cost category of Major Overhaul per the Blue Book instructions for determining standby rates. Monthly rates were used because they most accurately reflected the term of the project affected by the work suspensions.

The second exception was that DEPE only included major pieces of equipment. This was because the disallowed equipment was considered ancillary to a project of this magnitude and the cost associated with these items in a work suspension was reasonably accounted for by the additional allowance for field overhead which was also allowed under the claims settlement.

The result of the first two exceptions was that Conti's claim was down from $538,639.58 to $195,338.70.

The third exception was that three periods of time were disallowed from this claim. Note that Conti's claim was broken up into 7 periods of time. The period of time April 17-27, 1990 was disallowed ($41,838.48) because Conti, in part, abandoned the job site when there was work available to utilize all the equipment being claimed. Also excluded from the claim were the 1990 Memorial Day ($4,615.16) and July Forth ($4,267.00) holidays. This brought the claim value down to $144,618.06. The $8,308.56 differential between the allowed amount of $136,309.50 and the $144,618.06 was due to DEPE excluding clay laying equipment from Conti's claim, which was the forth exception.

The fifth, and last, exception had to do with the method used to compensate Conti for additional field overhead which was not compensated as Conti submitted for it. Conti claimed, in whole or in part, for itemized overhead items for all but 4 of the 60 days Conti was claiming Conti had limited work available. DEPE had itemized the accepted overhead items and allowed $3,306.86 per day for 19 days the DEPE accepted as days which were lost to Conti's project schedule due to no fault on the part of Conti.

ADDITIONAL EROSION CONTROL $71,017.93

Due to work suspensions, Conti lost about a calender month from their project schedule. As a result, Conti was not able to fully cover the cap with an adequate stand of grass before the onset of winter, and repairs of the cap were necessary thereafter. Conti's actual costs were $242,856.33. The settlement amount was equivalent to approximately one third of the time and material cost data Conti had presented, with backup documentation, which showed that the amount claimed was in conformance with the terms of Conti's contract.

Due to Conti's loss of 19 days which was due to reasons wholly beyond Conti's control the DEPE allowed Conti compensation due to the fact that Conti did not establish an acceptable cover turf prior to the winter of 1990-1991. This compensation was one third the amount Conti sought because Conti was responsible for the other two thirds of the project delay.

ADDITIONAL LINE ITEM QUANTITY OVERRUNS ($440,545.40)

The items below were overruns of items required by the contract and for which unit prices were contained in the contract. Included are overruns of both original contract and additional contract line items. These costs were comprised of $68,412.26 in Conti as-built quantities

and $372,133.14 in other overruns which were presented by Conti as claims.

The backup documentation for all quantities, except for pay item 10, was provided by Conti in their February 14, 1991 as-built submission. With the exception of Pay Items 5, 24, and 32, which were handled by the DEPE, all the quantities in Conti's as-built submission were verified and accepted as accurate by LMS.

Note that $316,000.00 of the settlement stems from an additional payment under Pay Item 10 which was not part of Conti's as-built submission. Additional payment was allowed under Pay Item 10 for refuse relocation that took place outside the original landfill limit but which was within the final landfill limit. The quantity was verified by LMS.

Additional payment under Pay Item 10 and also under Pay Items 17 and 18, Grass Seeding and Soil Erosion Control Blanket respectively, was required because the landfill limit was expanded and the contractual payment terms were based on whether the work took place inside or outside the final landfill limit. The work inside the cap was bid at higher unit prices by Conti than the work outside the landfill limit. Previous progress payments were made at the lower outside the cap rate.

These overrun items comprised 47.28% of the cost under change order 92-008-25.

LINE ITEM QUANTITY UNDERRUNS

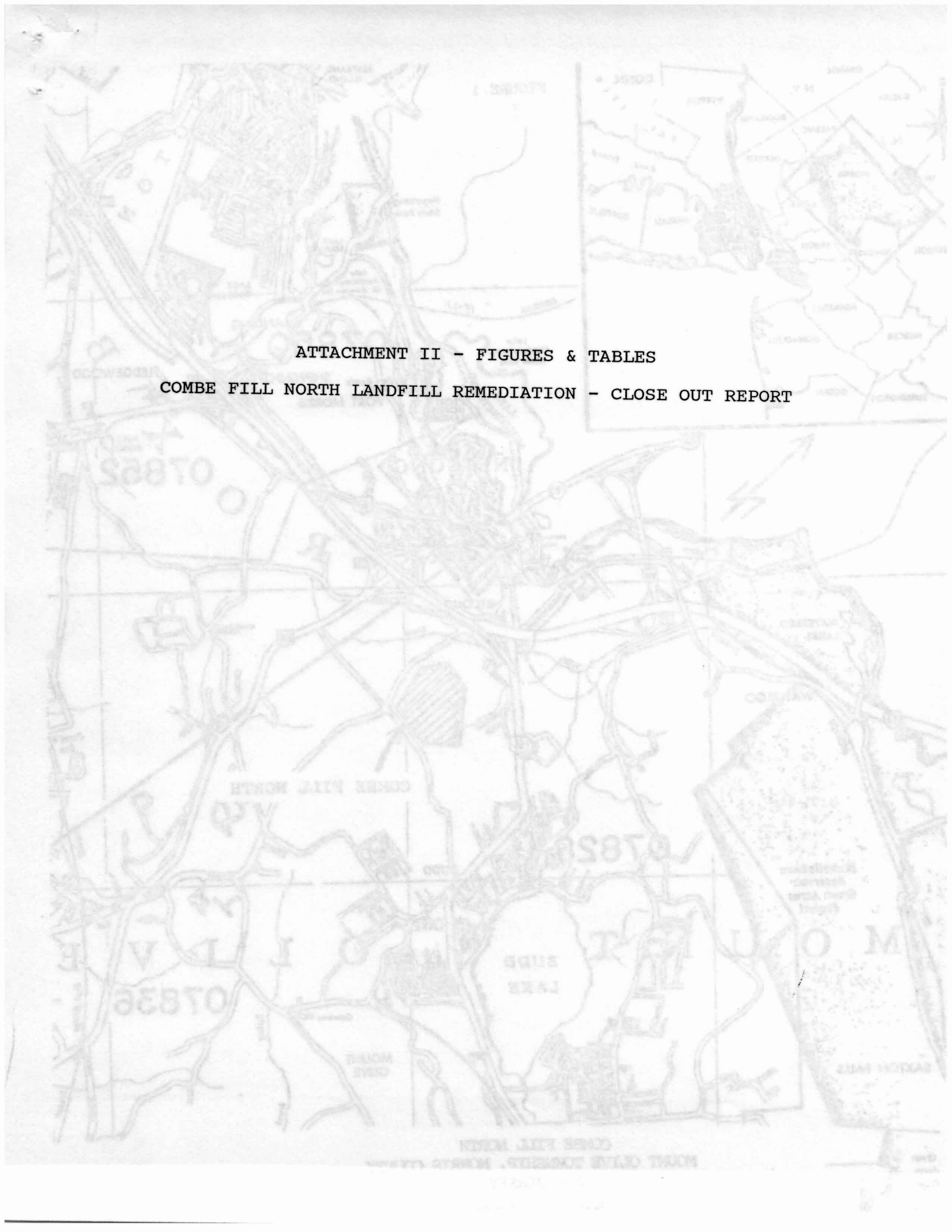
The total cost projected for the contract was be reduced by $629,100.41 as a result of contract underruns of certain line items. As a result of these underruns, the $931,844.63 of overruns in change order 92-008-25 resulted in only an increase of $302,744.22 in the cost of the contract. The underruns were the balances remaining under 14 original line items and 8 supplemental line items which were added during the project. The sum of the underruns was $629,100.41.

CLAIMS PAYMENTS

Payment for the accepted claims was made under invoices number 35, retainage for $307,207.18; number 36, existing line item balances for $260,948.19; and change order 92-008-25 for $931,844.63. These three invoices total to the $1,500,000.00 negotiated settlement of the claims under Conti's contract.

ENGINEERING CONTRACTOR

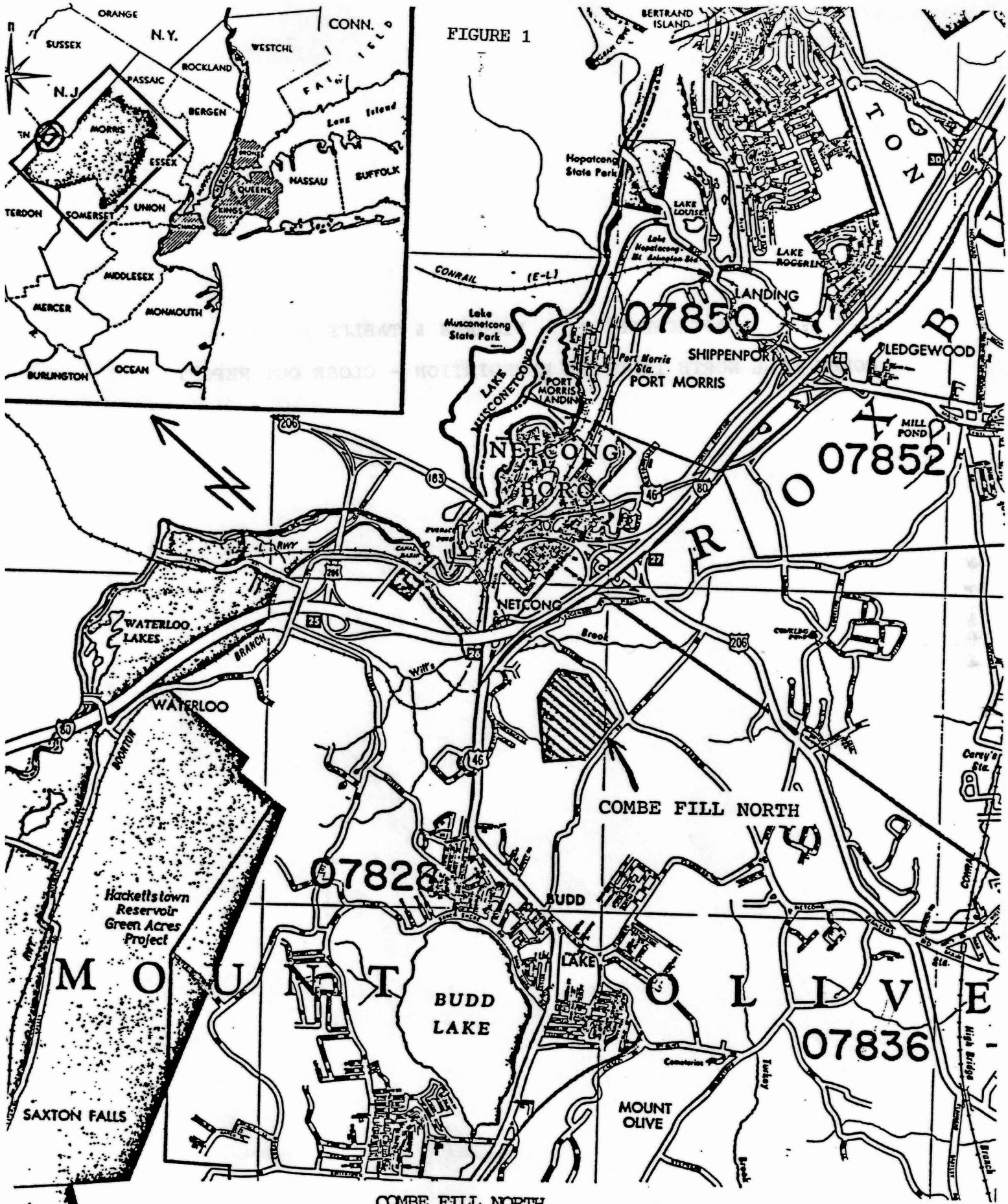
The engineering contractor, Lawler, Matusky & Skelly Engineers (LMS) submitted no claims on this project.



ATTACHMENT II - FIGURES & TABLES

COMBE FILL NORTH LANDFILL REMEDIATION - CLOSE OUT REPORT

FIGURE 1



COMBE FILL NORTH
MOUNT OLIVE TOWNSHIP, MORRIS COUNTY
NEW JERSEY

Scale in Miles (Approx.)

FIGURE 2

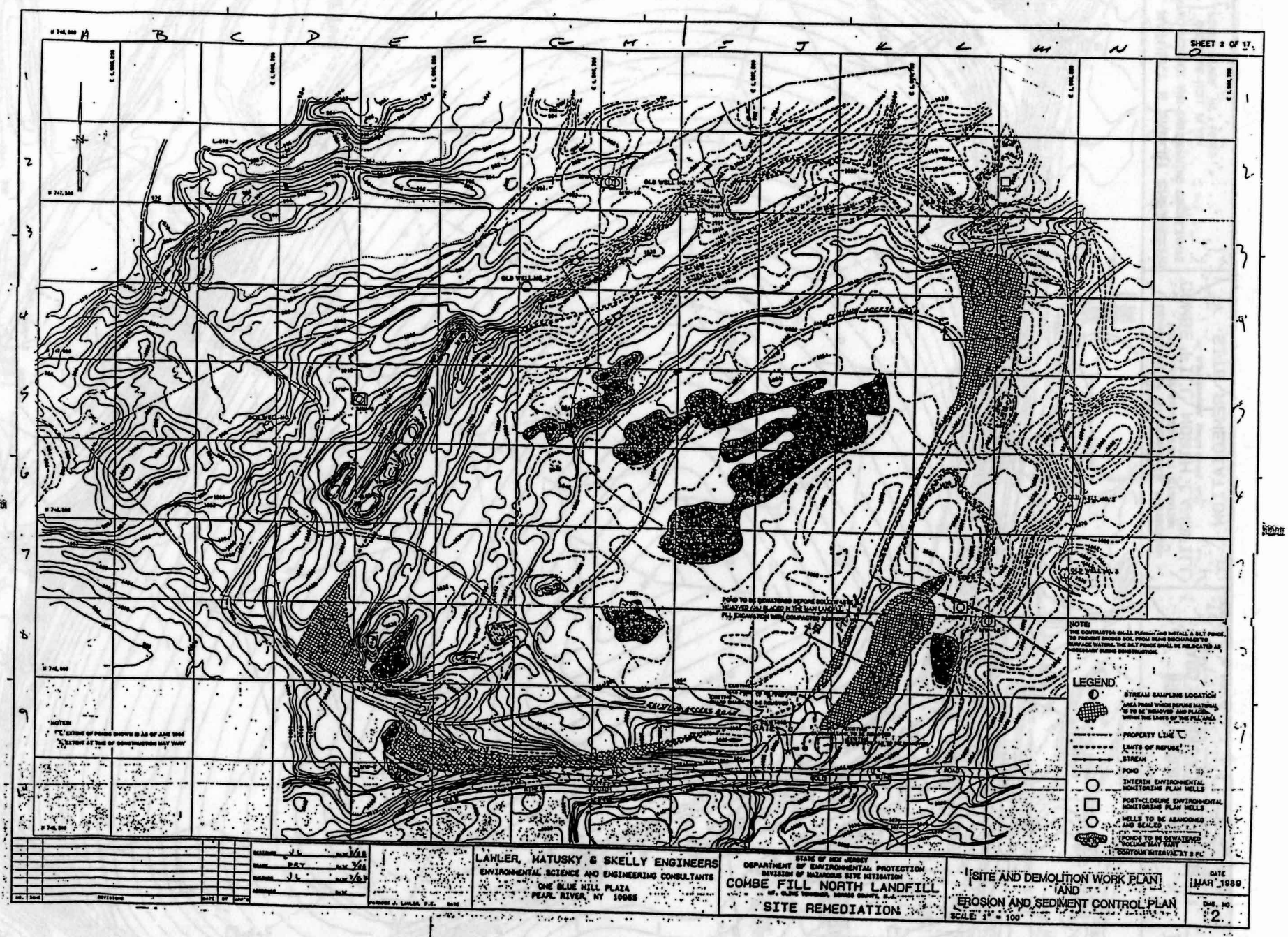
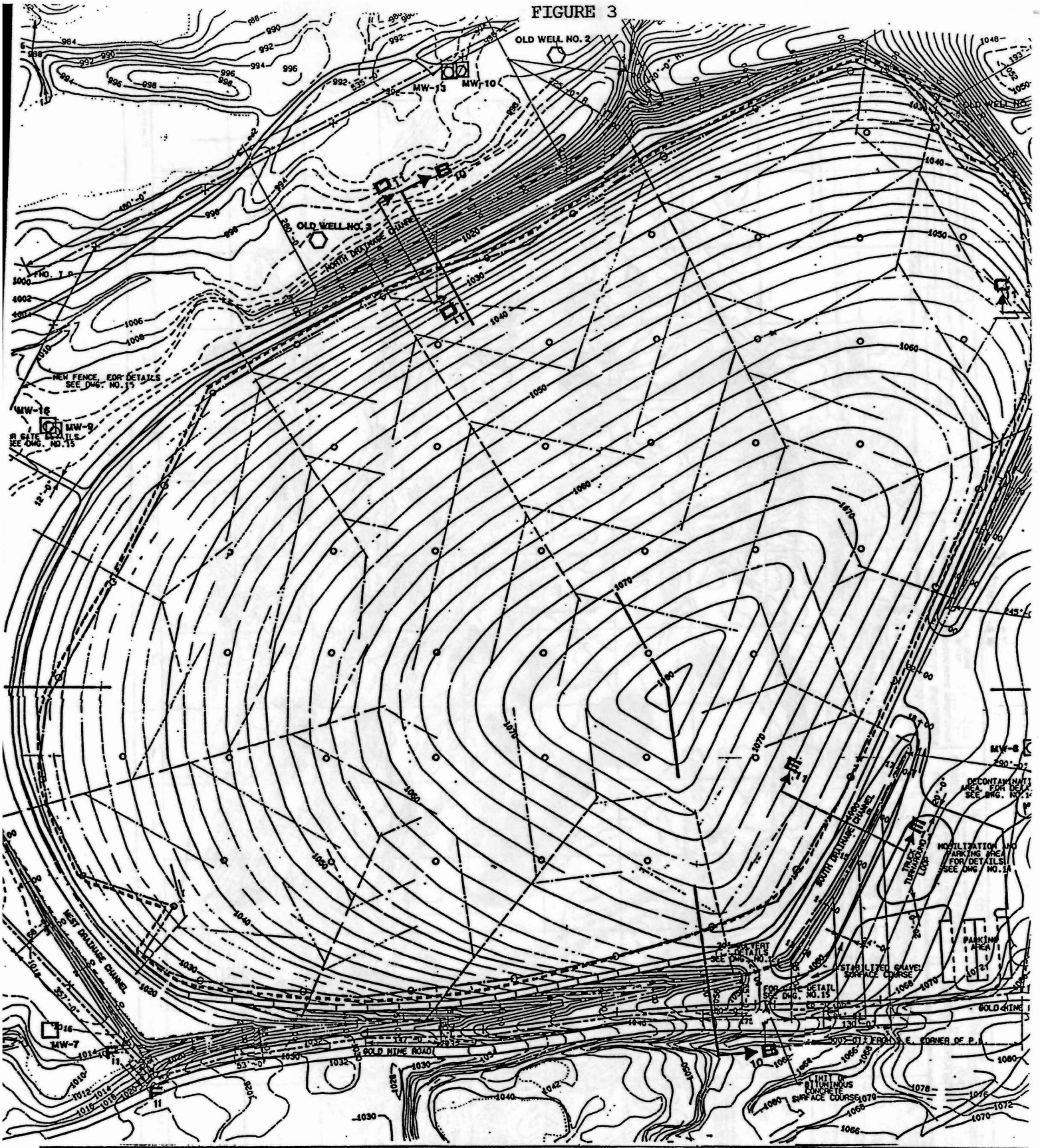
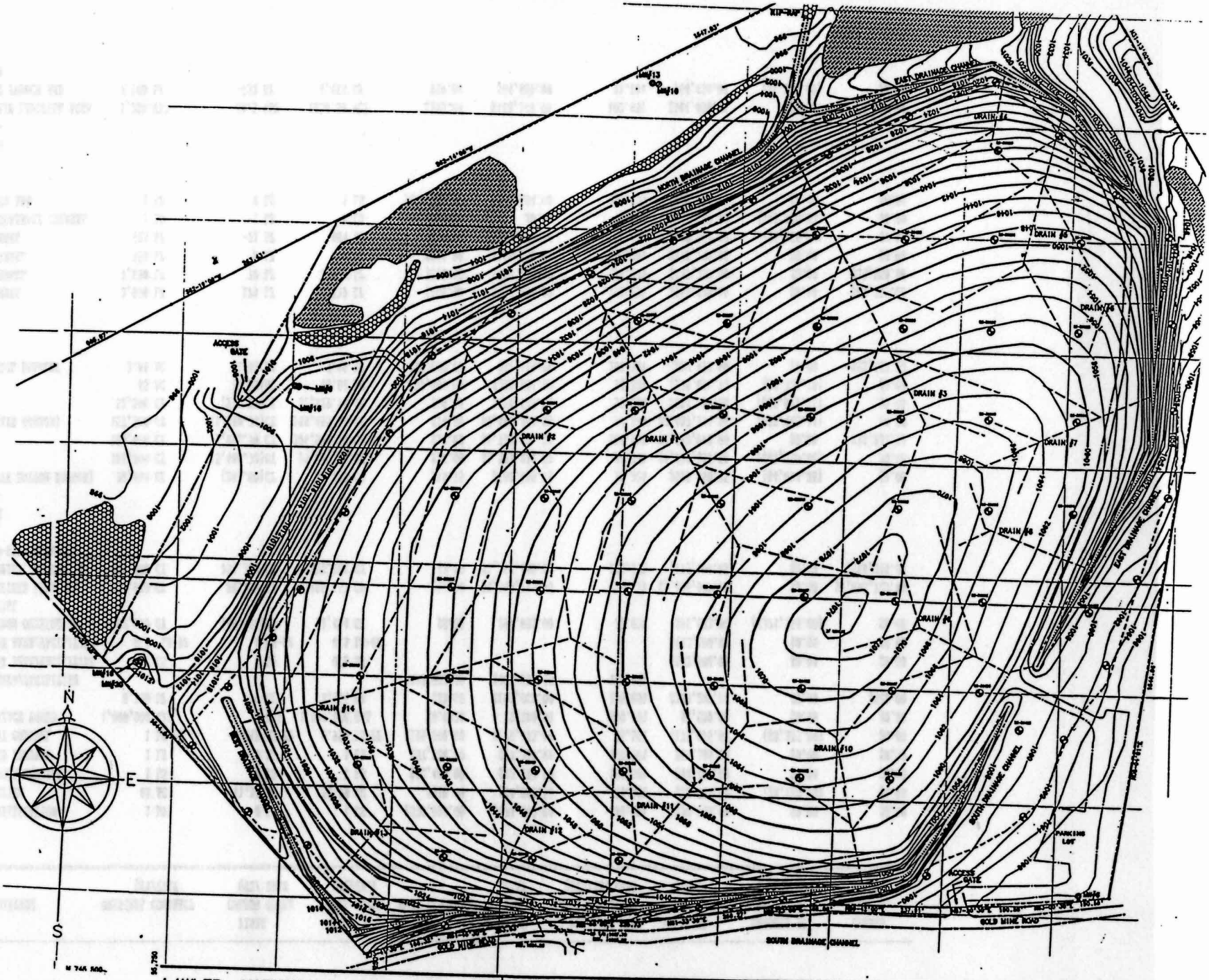

SHEET 2 OF 17
A B C D E F G H I J K L M N
1 2 3 4 5 6 7 8 9
NOTE:
"E" EXTENT OF POND SHOWN IS AS OF JUNE 1988
"E" EXTENT AT TIME OF CONSTRUCTION MAY VARY
NOTE:
THE CONTRACTOR SHALL FURNISH AND INSTALL A SILT FENCE TO PREVENT ERODED SOIL FROM BEING DISCHARGED TO SURFACE WATERS. THE SILT FENCE SHALL BE RELOCATED AS NECESSARY DURING CONSTRUCTION.
LEGEND
STREAM SAMPLING LOCATION
AREA FROM WHICH REFUSE MATERIAL IS TO BE REMOVED AND PLACED WITHIN THE LIMITS OF THE FILL AREA
PROPERTY LINE
LIMITS OF REFUSE
STREAM
POND
INTERIM ENVIRONMENTAL MONITORING PLAN WELLS
POST-CLOSURE ENVIRONMENTAL MONITORING PLAN WELLS
WELLS TO BE ABANDONED AND SEALED
POND TO BE DEWATERED PRIOR TO FILLING
1' CONTOUR INTERVAL AT 2 FT.
LAWLER, MATUSKY & SKELLY ENGINEERS
ENVIRONMENTAL SCIENCE AND ENGINEERING CONSULTANTS
ONE BLUE HILL PLAZA
PEARL RIVER, NY 10965
STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS SITE MITIGATION
COMBE FILL NORTH LANDFILL
SITE REMEDIATION
SITE AND DEMOLITION WORK PLAN
AND
EROSION AND SEDIMENT CONTROL PLAN
SCALE 1" = 100'
DATE
MAR 1989
DWG. NO.
2.

FIGURE 3



LAWLER, MATUSKY & SKELLY ENGINEERS ENVIRONMENTAL SCIENCE AND ENGINEERING CONSULTANTS ONE BLUE HILL PLAZA PEARL RIVER, NY 10965	STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS SITE MITIGATION COMBE FILL NORTH LANDFILL MT. OLIVE TOWNSHIP, MORRIS COUNTY, N.J. SITE REMEDIATION	FINAL GRADING PLAN AND SUBSURFACE DRAINAGE SCALE: 1" = 100'

FIGURE 4



LAWLER, MATUSKY & SKELLY ENGINEERS
ENVIRONMENTAL SCIENCE AND ENGINEERING CONSULTANTS
ONE BLUE HILL PLAZA
PEARL RIVER, NY 10965

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION & ENERGY
DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
COMBE FILL NORTH LANDFILL
MT. OLIVE TOWNSHIP, MORRIS COUNTY, N.J.
SITE REMEDIATION

RECORD DRAWING
FINAL SURVEY

SCALE: 1" = 100'

CFM FINAL FUNDING
CONTRACT I - 002
CONTI CONSTRUCTION CO.

ATTACHMENT 1

ITEM	DESCRIPTION	ORIGINAL CONTRACT QTY/UNIT	FINAL CHANGE ORDER QTY/ UNIT	FINAL TOTAL QTY/UNIT	UNIT PRICE	TOTAL ITEM $ SPENT	% ORIGINAL ITEM OR % INITIAL CO QUANTITY USED	ORIGINAL CONTRACT $ SPENT	CREDITS TO ORIGINAL CONTRACT	CHANGE ORDER $ SPENT
	SITE PREPARATION									
1	MOBILIZATION/DEMOBILIZATION	1 LS	0 LS	1 LS	$370,000.00	$370,000.00	100.00%	$370,000.00	$0.00	$0.00
2	CLEARING AND GRUBBING	65 AC	-11.91 AC	53.09 AC	$350.00	$18,581.50	81.68%	$18,581.50	($4,168.50)	$0.00
3	GASOLINE TANK & SOIL REMOVAL	1 LS	0 LS	1 LS	$42,400.00	$42,400.00	100.00%	$42,400.00	$0.00	$0.00
4	STRUCTURE & DEBRIS REMOVAL	1 LS	0 LS	1 LS	$57,300.00	$57,300.00	100.00%	$57,300.00	$0.00	$0.00
5	EROSION & SEDIMENT CONTROL	1 LS-PP	-0.045 LS-PP	0.955 LS-PP	$185,000.00	$176,675.00	95.50%	$176,675.00	($8,325.00)	$0.00
6	DEWATERING OF SURFACE PONDS	1,000,000 GAL	0 GAL	1,000,000 GAL	$0.0025	$2,500.00	100.00%	$2,500.00	$0.00	$0.00
7	SECURITY FENCE	8,350 LF	74 LF	8,424 LF	$12.00	$101,088.00	100.89%	$100,200.00	$0.00	$888.00
8	DECONTAMINATION AREA/FACILITIES				$287,000.00	$287,000.00	100.00%			
	A. DECONTAMINATION AREA/FACILITIES	0.5 LS	0 LS	0.5 LS				$143,500.00	$0.00	$0.00
	B. DECONTAMINATION AREA/FACILITIES	0.5 LS-PP	0 LS-PP	0.5 LS-PP				$143,500.00	$0.00	$0.00
9	RELOCATE REFUSE FROM OUTSIDE CAP AREA INTO LANDFILL	52,000 CY	(40,546)CY	11,454 CY	$8.00	$91,632.00	22.03%	$91,632.00	($324,368.00)	$0.00
10	RELOCATE REFUSE WITHIN LANDFILL	112,000 CY	84,133 CY	196,133 CY	$13.00	$2,549,729.00	175.12%	$1,456,000.00	$0.00	$1,093,729.00
11	EARTHWORK, EXCAVATION, GRADING & COMPACTION OF ON-SITE MATERIAL	205,000 CY	154,300 CY	359,300 CY	$3.80	$1,365,340.00	175.27%	$779,000.00	$0.00	$586,340.00
	SITE COVER SYSTEM									
12	BASE FILL (OFF-SITE BOTTOM BORROW)	30,000 CY	(203.00)CY	29,797 CY	$19.75	$588,490.75	99.32%	$588,490.75	($4,009.25)	$0.00
13	CLAY LAYER	105,000 CY	(5,486.78)CY	99,513.22 CY	$16.00	$1,592,211.52	94.77%	$1,592,211.52	($87,788.48)	$0.00
14	DRAINAGE LAYER	105,000 CY	1,995.70 CY	106,995.70 CY	$16.00	$1,711,931.20	101.90%	$1,680,000.00	$0.00	$31,931.20
15	CLEAN FILL (OFF-SITE BORROW)	157,300 CY	(1,840.34)CY	155,459.66 CY	$16.00	$2,487,354.56	98.83%	$2,487,354.56	($29,445.44)	$0.00
16	TOPSOIL	52,500 CY	(970.26)CY	51,529.74 CY	$16.00	$824,475.84	98.15%	$824,475.84	($15,524.16)	$0.00
17	GRASS SEEDING	65 AC	(2.39)AC	62.61 AC	$3,652.00	$228,651.72	96.32%	$228,651.72	($8,728.28)	$0.00
18	SOIL EROSION CONTROL BLANKET	2.05 AC	3.43 AC	5.48 AC	$15,040.00	$82,419.20	267.32%	$30,832.00	$0.00	$51,587.20
	DRAINAGE SYSTEM									
19	EAST DRAINAGE CHANNEL	2,060 LF	179 LF	2,239 LF	$265.00	$593,335.00	108.69%	$545,900.00	$0.00	$47,435.00
20	SOUTH DRAINAGE CHANNEL	1,650 LF	70 LF	1,720 LF	$265.00	$455,800.00	104.24%	$437,250.00	$0.00	$18,550.00
21	NORTH DRAINAGE CHANNEL	750 LF	0 LF	750 LF	$265.00	$198,750.00	100.00%	$198,750.00	$0.00	$0.00
22	WEST DRAINAGE CHANNEL	625 LF	-21 LF	604 LF	$265.00	$160,060.00	96.64%	$160,060.00	($5,565.00)	$0.00
23	CULVERT IN SOUTH DRAINAGE CHANNEL	1 LS	-1 LS	0 LS	$45,000.00	$0.00	0.00%	$0.00	($45,000.00)	$0.00
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1 LS	0 LS	1 LS	$469,404.00	$469,404.00	100.00%	$469,404.00	$0.00	$0.00
	GAS VENTING SYSTEM									
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1,200 VLF	34.5 VLF	1234.50 VLF	$120.00	$148,140.00	102.88%	$144,000.00	$0.00	$4,140.00
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	7,100 LF	-632 LF	6,468 LF	$10.00	$64,680.00	91.10%	$64,680.00	($6,320.00)	$0.00

CFN FINAL FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	ORIGINAL CONTRACT QTY/UNIT	FINAL CHANGE ORDER QTY/ UNIT	FINAL TOTAL QTY/UNIT	UNIT PRICE	TOTAL ITEM $ SPENT	% ORIGINAL ITEM OR % INITIAL CO QUANTITY USED	ORIGINAL CONTRACT $ SPENT	CREDITS TO ORIGINAL CONTRACT	CHANGE ORDER $ SPENT
	GROUNDWATER MONITORING WELLS									
27	NEW MONITORING WELLS	500 VLF	-269 VLF	231 VLF	$255.00	$58,905.00	46.20%	$58,905.00	($68,595.00)	$0.00
28	SEAL OLD MONITORING WELLS	500 VLF	-180 VLF	320 VLF	$55.00	$17,600.00	64.00%	$17,600.00	($9,900.00)	$0.00
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING									
	a) MONITORING WELLS	48 EA	0 EA	48 EA	$350.00	$16,800.00	100.00%	$16,800.00	$0.00	$0.00
	b) SURFACE WATER SITES	40 EA	-1 EA	39 EA	$350.00	$13,650.00	97.50%	$13,650.00	($350.00)	$0.00
30	MAINTAIN & REPAVE GOLD MINE RD							$0.00		
	A. REPAVE GOLD MINE RD	20000 SY	-13381 SY	6,619 SY	$31.00	$205,189.00	33.10%	$205,189.00	($414,811.00)	$0.00
	B. MAINTAIN GOLD MINE RD	20000 SY	0 SY	20,000 SY	$4.00	$80,000.00	100.00%	$80,000.00	$0.00	$0.00
31	LANDFILL SERVICE ROAD	9,500 SY	-777 SY	8,723 SY	$10.00	$87,230.00	91.82%	$87,230.00	($7,770.00)	$0.00
32	ENVIRONMENTAL RESTORATION	1 LS	0 LS	1 LS	$77,900.00	$77,900.00	100.00%	$77,900.00	$0.00	$0.00
33	SPECIAL PROJECT PROCEDURES									
	a) PLAN OF OPERATION	1 LS	0 LS	1 LS	$35,000.00	$35,000.00	100.00%	$35,000.00	$0.00	$0.00
	b) SPILL & DISCHARGE CONTROL PLAN	1 LS	0 LS	1 LS	$35,000.00	$35,000.00	100.00%	$35,000.00	$0.00	$0.00
	c) QUALITY ASSURANCE PLAN (QAP)	1 LS	0 LS	1 LS	$35,000.00	$35,000.00	100.00%	$35,000.00	$0.00	$0.00
	d) SECURITY PLAN	1 LS-PP	0 LS-PP	1 LS-PP	$125,000.00	$125,000.00	100.00%	$125,000.00	$0.00	$0.00
	e) SITE HEALTH & SAFETY PLAN	1 LS	0 LS	1 LS	$35,000.00	$35,000.00	100.00%	$35,000.00	$0.00	$0.00
	f) ENVIRON. POLLUTION CONTROL PLAN	1 LS	0 LS	1 LS	$35,000.00	$35,000.00	100.00%	$35,000.00	$0.00	$0.00
	g) CONTRACTOR FIELD SAMPLING PLAN	1 LS	0 LS	1 LS	$35,000.00	$35,000.00	100.00%	$35,000.00	$0.00	$0.00
	h) CONST. PHASE ENV. MONITOR'G PLAN	1 LS	0 LS	1 LS	$35,000.00	$35,000.00	100.00%	$35,000.00	$0.00	$0.00
	i) INTERIM ENV. MONITORING PLAN	1 LS	0 LS	1 LS	$35,000.00	$35,000.00	100.00%	$35,000.00	$0.00	$0.00
	SUPPLEMENTAL WORK									
C01	2" PIEZOMETERS	0 VLF	185 VLF	185 VLF	$80.00	$14,800.00	100.00%			$14,800.00
S1	FLEXIBLE MEMBRANE LINER	0 SF	266,891.50 SF	266,891.50 SF	$0.516	$137,716.01	104.70%			$137,716.01
S2	FML SAND CUSHION	0 CY	9,884.90 CY	9,884.90 CY	$16.00	$158,158.40	104.67%			$158,158.40
S3	FML PENETRATION SEAL	0 EA	9.00 EA	9.00 EA	$500.00	$4,500.00	81.82%			$4,500.00
S4	GABION INSTALLATION SURCHARGE	0 LF	3,234.00 LF	3,234.00 LF	$40.136	$129,799.82	100.75%			$129,799.82
S5	CAP MATERIAL PLACEMENT SURCHARGE	0 CY	14,065.00 CY	14,065.00 CY	$1.97	$27,708.05	100.00%			$27,708.05
S6	CLAY PLACEMENT SURCHARGE	0 CY	1,638.89 CY	1,638.89 CY	$61.94	$101,512.85	99.33%			$101,512.85
S7	SAND LAYER SURCHARGE	0 CY	7,889.08 CY	7,889.08 CY	$5.76	$45,441.10	97.38%			$45,441.10
S8	S. DRAIN CULVERT RESTOCK FEE	0 LS	0.73 LS	0.73 LS	$6,840.00	$5,000.00	73.00%			$5,000.00
S9	S. DRAINAGE CHANNEL CATCH BASIN	0 LS	1.00 LS	1.00 LS	$6,795.90	$6,795.90	100.00%			$6,795.90
S10	RIP RAP	0 SY	60.00 SY	60.00 SY	$80.00	$4,800.00	100.00%			$4,800.00
S11	FILTER FABRIC AT CHANNEL DROPS	0 SF	1,101.00 SF	1,101.00 SF	$1.03	$1,134.03	100.00%			$1,134.03
S12	ADDITIONAL CLEARING AND GRUBBING	0 AC	2.60 AC	2.60 AC	$2,936.50	$7,634.90	100.00%			$7,634.90
S13	RD-II TEST PITS	0 HR	4 HR	4.00 HR	$381.00	$1,524.00	100.00%			$1,524.00
S14	ADDITIONAL GAS TANK REMOVAL	0 LS	1 LS	1.00 LS	$9,650.00	$9,650.00	100.00%			$9,650.00
S15	RD-II EROSION CONTROL	0 T&M	6393.55 T&M	6,393.55 T&M	$6,393.55	$6,393.55	33.62%			$6,393.55
S16	GAS VENT RISER PIPE ADJUSTMENT	0 EA	25 EA	25.00 EA	$31.25	$781.25	100.00%			$781.25
S17	FENCE DEMOLITION	0 T&M	4622.4 T&M	4,622.40 T&M	$4,622.40	$4,622.40	100.00%			$4,622.40
S18	RD-II CLEARING AND GRUBBING	0 AC	3 AC	3.00 AC	$6,264.36	$18,793.08	96.77%			$18,793.08
S19	CAP EXT. STONE SUBBASE	0 CY	357 CY	357.00 CY	$21.00	$7,497.00	46.97%			$7,497.00
S20	REVISED SEED MIX	0 LS	1 LS	1.00 LS	$2,100.00	$2,100.00	100.00%			$2,100.00
S21	R/D II ENVIR. RESTORATION	0 AC	0 AC	0.00 AC	$5,532.05	$0.00	0.00%			$0.00

CFN FINAL FUNDING
CONTRACT I - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	ORIGINAL CONTRACT QTY/UNIT	FINAL CHANGE ORDER QTY/ UNIT	FINAL TOTAL QTY/UNIT	UNIT PRICE	TOTAL ITEM $ SPENT	% ORIGINAL ITEM OR % INITIAL CO QUANTITY USED	ORIGINAL CONTRACT $ SPENT	CREDITS TO ORIGINAL CONTRACT	CHANGE ORDER $ SPENT
	SUPPLEMENTAL WORK ADDED THRU CLAIMS SETTLEMENT									
	TRAFFIC CONTROL GOLD MINE RD.	0 LS	1 LS	1 LS	$29,443.40	$29,443.40	100.00%			$29,443.40
	CYANIDE TESTING	0 LS	1 LS	1 LS	$4,660.00	$4,660.00	100.00%			$4,660.00
	CLAY TESTING	0 LS	1 LS	1 LS	$40,782.00	$40,782.00	100.00%			$40,782.00
	MINING	0 LS	1 LS	1 LS	$85,000.00	$85,000.00	100.00%			$85,000.00
	MINING SURVEY	0 LS	1 LS	1 LS	$25,960.29	$25,960.29	100.00%			$25,960.29
	REDESIGN II CLEARING	0 LS	1 LS	1 LS	$6,916.25	$6,916.25	100.00%			$6,916.25
	R/D I WORK SUSPENSION	0 LS	1 LS	1 LS	$68,154.75	$68,154.75	100.00%			$68,154.75
	R/D II WORK SUSPENSION	0 LS	1 LS	1 LS	$68,154.75	$68,154.75	100.00%			$68,154.75
	R/D I&II INCREASED OVERHEAD	0 LS	1 LS	1 LS	$62,830.33	$62,830.33	100.00%			$62,830.33
	R/D I SURVEY	0 LS	1 LS	1 LS	$3,510.00	$3,510.00	100.00%			$3,510.00
	R/D II SURVEY	0 LS	1 LS	1 LS	$3,510.00	$3,510.00	100.00%			$3,510.00
	ADDITIONAL EROSION CONTROL	0 LS	1 LS	1 LS	$71,017.93	$71,017.93	100.00%			$71,017.93
	NORTH CAP EXTENSION	0 LS	1 LS	1 LS	$5,500.00	$5,500.00	100.00%			$5,500.00
	SOIL CONSERVATION DISTRICT SURVEY	0 LS	1 LS	1 LS	$6,139.00	$6,139.00	100.00%			$6,139.00
	SOUTH CHANNEL UNDERDRAIN	0 LS	1 LS	1 LS	$6,000.00	$6,000.00	100.00%			$6,000.00
	GOLD MINE ROAD BERM	0 LS	1 LS	1 LS	$3,720.53	$3,720.53	100.00%			$3,720.53
					TOTALS:	$16,817,884.87		$13,795,622.89	($1,040,668.11)	$3,022,261.98

ATTACHMENT 2

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #1 11/15-12/15/89	PERCENT COMPL INV #1 11/15-12/15/89	QUANTITY INV #2 12/16-1/15/90	PERCENT COMPL INV #2 12/16-1/15/90
	SITE PREPARATION						
1	MOBILIZATION/DEMOBILIZATION	1	LS				
2	CLEARING AND GRUBBING	53.09	AC				
3	GASOLINE TANK & SOIL REMOVAL	1	LS				
4	STRUCTURE & DEBRIS REMOVAL	1	LS				
5	EROSION & SEDIMENT CONTROL	0.955	LS-P P				
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL				
7	SECURITY FENCE	8,424	LF				
8	DECONTAMINATION AREA/FACILITIES						
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS				
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P P				
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY				
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY				
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY				
	SITE COVER SYSTEM						
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY				
13	CLAY LAYER	99,513.22	CY				
14	DRAINAGE LAYER	106,995.70	CY				
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY				
16	TOPSOIL	51,529.74	CY				
17	GRASS SEEDING	62.61	AC				
18	SOIL EROSION CONTROL BLANKET	5.48	AC				
	DRAINAGE SYSTEM						
19	EAST DRAINAGE CHANNEL	2,239	LF				
20	SOUTH DRAINAGE CHANNEL	1,720	LF				
21	NORTH DRAINAGE CHANNEL	750	LF				
22	WEST DRAINAGE CHANNEL	604	LF				
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS				
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS				
	GAS VENTING SYSTEM						
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF				
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF				
	GROUNDWATER MONITORING WELLS						
27	NEW MONITORING WELLS	231	VLF				
28	SEAL OLD MONITORING WELLS	320	VLF				
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING						
	a) MONITORING WELLS	48	EA				
	b) SURFACE WATER SITES	39	EA				
30	MAINTAIN & REPAVE GOLD MINE RD						
	A. REPAVE GOLD MINE RD	6,619	SY				
	B. MAINTAIN GOLD MINE RD	20,000	SY				
31	LANDFILL SERVICE ROAD	8,723	SY				
32	ENVIRONMENTAL RESTORATION	1	LS				
33	SPECIAL PROJECT PROCEDURES						
	a) PLAN OF OPERATION	1	LS	1.0	100.00%		
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS				
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS			1.0	100.00%
	d) SECURITY PLAN	1	LS-P P				
	e) SITE HEALTH & SAFETY PLAN	1	LS				
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS	1.0	100.00%	1.0	100.00%

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS
	i) INTERIM ENV. MONITORING PLAN	1	LS
	SUPPLEMENTAL WORK		
CO1	2" PIEZOMETERS	185	VLF
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF
S2	FML SAND CUSHION	9,884.90	CY
S3	FML PENETRATION SEAL	9.00	EA
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY
S7	SAND LAYER SURCHARGE	7,889.08	CY
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS
S10	RIP RAP	60.00	SY
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC
S13	RD-II TEST PITS	4.00	HR
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS
S15	RD-II EROSION CONTROL	6,393.55	T&M
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA
S17	FENCE DEMOLITION	4,622.40	T&M
S18	RD-II CLEARING AND GRUBBING	3.00	AC
S19	CAP EXT. STONE SUBBASE	357.00	CY
S20	REVISED SEED MIX	1.00	LS
S21	R/D II ENVIR. RESTORATION	ZERO	AC
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS

TOTAL COST:	$70,000.00	$70,000.00
$ PAID:	$63,000.00	$63,000.00
RETAINAGE:	$7,000.00	$7,000.00

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #3 1/16-2/15/90	PERCENT COMPL INV #3 1/16-2/15/90	QUANTITY INV #4 2/16-3/15/90	PERCENT COMPL INV #4 2/16-3/15/90
	SITE PREPARATION						
1	MOBILIZATION/DEMOBILIZATION	1	LS			99.0%	99.00%
2	CLEARING AND GRUBBING	53.09	AC	30.0	56.51%	25.0	47.09%
3	GASOLINE TANK & SOIL REMOVAL	1	LS				
4	STRUCTURE & DEBRIS REMOVAL	1	LS	75.0%	75.00%	20.0%	20.00%
5	EROSION & SEDIMENT CONTROL	0.955	LS-P	7.0%	7.33%	7.0%	7.33%
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL				
7	SECURITY FENCE	8,424	LF			1,860.0	22.08%
8	DECONTAMINATION AREA/FACILITIES						
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS			50.0%	100.00%
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P	3.5%	7.00%	3.5%	7.00%
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY			11,664.0	101.83%
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY	18,108.0	9.23%	60,216.0	30.70%
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY	5,369.0	1.49%	90,543.0	25.20%
	SITE COVER SYSTEM						
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY				
13	CLAY LAYER	99,513.22	CY				
14	DRAINAGE LAYER	106,995.70	CY				
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY				
16	TOPSOIL	51,529.74	CY				
17	GRASS SEEDING	62.61	AC				
18	SOIL EROSION CONTROL BLANKET	5.48	AC				
	DRAINAGE SYSTEM						
19	EAST DRAINAGE CHANNEL	2,239	LF				
20	SOUTH DRAINAGE CHANNEL	1,720	LF				
21	NORTH DRAINAGE CHANNEL	750	LF				
22	WEST DRAINAGE CHANNEL	604	LF				
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS				
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS				
	GAS VENTING SYSTEM						
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF				
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF				
	GROUNDWATER MONITORING WELLS						
27	NEW MONITORING WELLS	231	VLF				
28	SEAL OLD MONITORING WELLS	320	VLF				
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING						
	a) MONITORING WELLS	48	EA				
	b) SURFACE WATER SITES	39	EA				
30	MAINTAIN & REPAVE GOLD MINE RD						
	A. REPAVE GOLD MINE RD	6,619	SY				
	B. MAINTAIN GOLD MINE RD	20,000	SY				
31	LANDFILL SERVICE ROAD	8,723	SY				
32	ENVIRONMENTAL RESTORATION	1	LS				
33	SPECIAL PROJECT PROCEDURES						
	a) PLAN OF OPERATION	1	LS				
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS				
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS	1.0	100.00%		
	d) SECURITY PLAN	1	LS-P	7.0%	7.00%	7.0%	7.00%
	e) SITE HEALTH & SAFETY PLAN	1	LS				
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS				

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS	1.0	100.00%
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS	1.0	100.00%
	i) INTERIM ENV. MONITORING PLAN	1	LS	1.0	100.00%
	SUPPLEMENTAL WORK				
CO1	2" PIEZOMETERS	185	VLF		
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF		
S2	FML SAND CUSHION	9,884.90	CY		
S3	FML PENETRATION SEAL	9.00	EA		
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF		
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY		
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY		
S7	SAND LAYER SURCHARGE	7,889.08	CY		
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS		
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS		
S10	RIP RAP	60.00	SY		
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF		
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC		
S13	RD-II TEST PITS	4.00	HR		
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS		
S15	RD-II EROSION CONTROL	6,393.55	T&M		
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA		
S17	FENCE DEMOLITION	4,622.40	T&M		
S18	RD-II CLEARING AND GRUBBING	3.00	AC		
S19	CAP EXT. STONE SUBBASE	357.00	CY		
S20	REVISED SEED MIX	1.00	LS		
S21	R/D II ENVIR. RESTORATION	ZERO	AC		
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS		
	TOTAL COST:			$481,026.20	$1,804,258.40
	$ PAID:			$432,923.58	$1,623,832.56
	RETAINAGE:			$48,102.62	$180,425.84

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #5 2/16-3/15/90	PERCENT COMPL INV #5 2/16-3/15/90	QUANTITY INV #6 3/16-4/15/90	PERCENT COMPL INV #6 3/16-4/15/90
	SITE PREPARATION						
1	MOBILIZATION/DEMOBILIZATION	1	LS				
2	CLEARING AND GRUBBING	53.09	AC			1.00%	1.00%
3	GASOLINE TANK & SOIL REMOVAL	1	LS				
4	STRUCTURE & DEBRIS REMOVAL	1	LS				
5	EROSION & SEDIMENT CONTROL	0.955	LS-P			3.00%	3.00%
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL			7.0%	7.33%
7	SECURITY FENCE	8,424	LF			1,000,000.0	100.00%
8	DECONTAMINATION AREA/FACILITIES						
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS				
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P				
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY			3.5% 20,450.0	7.00% 178.54%
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY				
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY			20,000.0 109,088.0	10.20% 30.36%
	SITE COVER SYSTEM						
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY				
13	CLAY LAYER	99,513.22	CY				
14	DRAINAGE LAYER	106,995.70	CY				
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY				
16	TOPSOIL	51,529.74	CY				
17	GRASS SEEDING	62.61	AC				
18	SOIL EROSION CONTROL BLANKET	5.48	AC				
	DRAINAGE SYSTEM						
19	EAST DRAINAGE CHANNEL	2,239	LF				
20	SOUTH DRAINAGE CHANNEL	1,720	LF			1,120.0	50.02%
21	NORTH DRAINAGE CHANNEL	750	LF				
22	WEST DRAINAGE CHANNEL	604	LF			750.0	100.00%
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS				
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS				
	GAS VENTING SYSTEM						
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF				
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF			984.0 1,760.0	79.71% 27.21%
	GROUNDWATER MONITORING WELLS						
27	NEW MONITORING WELLS	231	VLF				
28	SEAL OLD MONITORING WELLS	320	VLF			150.0	64.94%
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING					126.0	39.38%
	a) MONITORING WELLS	48	EA				
	b) SURFACE WATER SITES	39	EA				
30	MAINTAIN & REPAVE GOLD MINE RD						
	A. REPAVE GOLD MINE RD	6,619	SY				
	B. MAINTAIN GOLD MINE RD	20,000	SY				
31	LANDFILL SERVICE ROAD	8,723	SY				
32	ENVIRONMENTAL RESTORATION	1	LS				
33	SPECIAL PROJECT PROCEDURES						
	a) PLAN OF OPERATION	1	LS				
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS				
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS				
	d) SECURITY PLAN	1	LS-P				
	e) SITE HEALTH & SAFETY PLAN	1	LS			7.0%	7.00%
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS				

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS			
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS			
	i) INTERIM ENV. MONITORING PLAN	1	LS			
	SUPPLEMENTAL WORK					
CO1	2" PIEZOMETERS	185	VLF	185	100.00%	
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF			
S2	FML SAND CUSHION	9,884.90	CY			
S3	FML PENETRATION SEAL	9.00	EA			
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF			
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY			
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY			
S7	SAND LAYER SURCHARGE	7,889.08	CY			
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS			
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS			
S10	RIP RAP	60.00	SY			
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF			
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC			
S13	RD-II TEST PITS	4.00	HR			
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS			
S15	RD-II EROSION CONTROL	6,393.55	T&M			
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA			
S17	FENCE DEMOLITION	4,622.40	T&M			
S18	RD-II CLEARING AND GRUBBING	3.00	AC			
S19	CAP EXT. STONE SUBBASE	357.00	CY			
S20	REVISED SEED MIX	1.00	LS			
S21	R/D II ENVIR. RESTORATION	ZERO	AC			
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS			
	TOTAL COST:			$14,800.00		$1,554,208.40
	$ PAID:			$14,800.00		$1,398,787.56
	RETAINAGE:					$155,420.84

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #7 4/16-5/15/90	PERCENT COMPL INV #7 4/16-5/15/90	QUANTITY INV #8 5/16-6/15/90	PERCENT COMPL INV #8 5/16-6/15/90
	SITE PREPARATION						
1	MOBILIZATION/DEMOBILIZATION	1	LS				
2	CLEARING AND GRUBBING	53.09	AC	(1.91)	-3.60%		
3	GASOLINE TANK & SOIL REMOVAL	1	LS	90.00%	90.00%	10.00%	10.00%
4	STRUCTURE & DEBRIS REMOVAL	1	LS			2.00%	2.00%
5	EROSION & SEDIMENT CONTROL	0.955	LS-P	7.0%	7.33%	3.5%	3.66%
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL				
7	SECURITY FENCE	8,424	LF	1,700.0	20.18%		
8	DECONTAMINATION AREA/FACILITIES						
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS				
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P	3.5%	7.00%	3.5%	7.00%
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY	19,886.0	173.62%		
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY	3,520.0	1.79%	940.0	0.48%
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY				
	SITE COVER SYSTEM						
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY	21,573.0	72.40%	8,224.0	27.60%
13	CLAY LAYER	99,513.22	CY			8,472.0	8.51%
14	DRAINAGE LAYER	106,995.70	CY				
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY				
16	TOPSOIL	51,529.74	CY				
17	GRASS SEEDING	62.61	AC				
18	SOIL EROSION CONTROL BLANKET	5.48	AC				
	DRAINAGE SYSTEM						
19	EAST DRAINAGE CHANNEL	2,239	LF				
20	SOUTH DRAINAGE CHANNEL	1,720	LF				
21	NORTH DRAINAGE CHANNEL	750	LF				
22	WEST DRAINAGE CHANNEL	604	LF				
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS				
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS				
	GAS VENTING SYSTEM						
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF	40.0	3.24%	108.0	8.75%
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF	60.0	0.93%	2,733.0	42.25%
	GROUNDWATER MONITORING WELLS						
27	NEW MONITORING WELLS	231	VLF	81.0	35.06%		
28	SEAL OLD MONITORING WELLS	320	VLF	45.0	14.06%	149.0	46.56%
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING						
	a) MONITORING WELLS	48	EA	6	12.50%		
	b) SURFACE WATER SITES	39	EA	5	12.82%		
30	MAINTAIN & REPAVE GOLD MINE RD						
	A. REPAVE GOLD MINE RD	6,619	SY				
	B. MAINTAIN GOLD MINE RD	20,000	SY				
31	LANDFILL SERVICE ROAD	8,723	SY				
32	ENVIRONMENTAL RESTORATION	1	LS				
33	SPECIAL PROJECT PROCEDURES						
	a) PLAN OF OPERATION	1	LS				
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS				
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS				
	d) SECURITY PLAN	1	LS-P	7.0%	7.00%	7.0%	7.00%
	e) SITE HEALTH & SAFETY PLAN	1	LS				
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS				

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS		
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS		
	i) INTERIM ENV. MONITORING PLAN	1	LS		
	SUPPLEMENTAL WORK				
CO1	2" PIEZOMETERS	185	VLF		
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF		
S2	FML SAND CUSHION	9,884.90	CY		
S3	FML PENETRATION SEAL	9.00	EA		
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF		
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY		
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY		
S7	SAND LAYER SURCHARGE	7,889.08	CY		
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS		
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS		
S10	RIP RAP	60.00	SY		
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF		
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC		
S13	RD-II TEST PITS	4.00	HR		
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS		
S15	RD-II EROSION CONTROL	6,393.55	T&M		
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA		
S17	FENCE DEMOLITION	4,622.40	T&M		
S18	RD-II CLEARING AND GRUBBING	3.00	AC		
S19	CAP EXT. STONE SUBBASE	357.00	CY		
S20	REVISED SEED MIX	1.00	LS		
S21	R/D II ENVIR. RESTORATION	ZERO	AC		
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS		
	TOTAL COST:			$752,931.25	$389,337.00
	$ PAID:			$677,638.12	$350,403.30
	RETAINAGE:			$75,293.14	$38,933.70

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #9 4/16-5/15/90	PERCENT COMPL INV #9 4/16-5/15/90	QUANTITY INV #10 4/16-6/15/90	PERCENT COMPL INV #10 4/16-6/15/90
	SITE PREPARATION						
1	MOBILIZATION/DEMOBILIZATION	1	LS				
2	CLEARING AND GRUBBING	53.09	AC				
3	GASOLINE TANK & SOIL REMOVAL	1	LS				
4	STRUCTURE & DEBRIS REMOVAL	1	LS				
5	EROSION & SEDIMENT CONTROL	0.955	LS-P				
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL				
7	SECURITY FENCE	8,424	LF				
8	DECONTAMINATION AREA/FACILITIES						
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS				
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P				
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY	4,566.0	39.86%		
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY				
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY			54,618.0	15.20%
	SITE COVER SYSTEM						
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY				
13	CLAY LAYER	99,513.22	CY				
14	DRAINAGE LAYER	106,995.70	CY				
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY				
16	TOPSOIL	51,529.74	CY				
17	GRASS SEEDING	62.61	AC				
18	SOIL EROSION CONTROL BLANKET	5.48	AC				
	DRAINAGE SYSTEM						
19	EAST DRAINAGE CHANNEL	2,239	LF				
20	SOUTH DRAINAGE CHANNEL	1,720	LF				
21	NORTH DRAINAGE CHANNEL	750	LF				
22	WEST DRAINAGE CHANNEL	604	LF				
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS				
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS				
	GAS VENTING SYSTEM						
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF				
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF				
	GROUNDWATER MONITORING WELLS						
27	NEW MONITORING WELLS	231	VLF				
28	SEAL OLD MONITORING WELLS	320	VLF				
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING						
	a) MONITORING WELLS	48	EA				
	b) SURFACE WATER SITES	39	EA				
30	MAINTAIN & REPAVE GOLD MINE RD						
	A. REPAVE GOLD MINE RD	6,619	SY				
	B. MAINTAIN GOLD MINE RD	20,000	SY				
31	LANDFILL SERVICE ROAD	8,723	SY				
32	ENVIRONMENTAL RESTORATION	1	LS				
33	SPECIAL PROJECT PROCEDURES						
	a) PLAN OF OPERATION	1	LS				
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS				
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS				
	d) SECURITY PLAN	1	LS-P				
	e) SITE HEALTH & SAFETY PLAN	1	LS				
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS				

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS		
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS		
	i) INTERIM ENV. MONITORING PLAN	1	LS		
	SUPPLEMENTAL WORK				
CO1	2" PIEZOMETERS	185	VLF		
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF		
S2	FML SAND CUSHION	9,884.90	CY		
S3	FML PENETRATION SEAL	9.00	EA		
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF		
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY		
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY		
S7	SAND LAYER SURCHARGE	7,889.08	CY		
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS		
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS		
S10	RIP RAP	60.00	SY		
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF		
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC		
S13	RD-II TEST PITS	4.00	HR		
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS		
S15	RD-II EROSION CONTROL	6,393.55	T&M		
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA		
S17	FENCE DEMOLITION	4,622.40	T&M		
S18	RD-II CLEARING AND GRUBBING	3.00	AC		
S19	CAP EXT. STONE SUBBASE	357.00	CY		
S20	REVISED SEED MIX	1.00	LS		
S21	R/D II ENVIR. RESTORATION	ZERO	AC		
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS		
	TOTAL COST:			$36,528.00	$207,548.40
	$ PAID:			$32,875.20	$186,793.56
	RETAINAGE:			$3,652.80	$20,754.84

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #11 5/16-6/15/90	PERCENT COMPL INV #11 5/16-6/15/90	QUANTITY INV #12 5/16-6/15/90	PERCENT COMPL INV #12 5/16-6/15/90
	SITE PREPARATION						
1	MOBILIZATION/DEMOBILIZATION	1	LS				
2	CLEARING AND GRUBBING	53.09	AC				
3	GASOLINE TANK & SOIL REMOVAL	1	LS				
4	STRUCTURE & DEBRIS REMOVAL	1	LS				
5	EROSION & SEDIMENT CONTROL	0.955	LS-P				
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL				
7	SECURITY FENCE	8,424	LF				
8	DECONTAMINATION AREA/FACILITIES						
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS				
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P				
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY				
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY				
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY				
	SITE COVER SYSTEM						
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY				
13	CLAY LAYER	99,513.22	CY				
14	DRAINAGE LAYER	106,995.70	CY				
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY				
16	TOPSOIL	51,529.74	CY				
17	GRASS SEEDING	62.61	AC				
18	SOIL EROSION CONTROL BLANKET	5.48	AC				
	DRAINAGE SYSTEM						
19	EAST DRAINAGE CHANNEL	2,239	LF				
20	SOUTH DRAINAGE CHANNEL	1,720	LF				
21	NORTH DRAINAGE CHANNEL	750	LF				
22	WEST DRAINAGE CHANNEL	604	LF				
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS				
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS				
	GAS VENTING SYSTEM						
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF				
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF				
	GROUNDWATER MONITORING WELLS						
27	NEW MONITORING WELLS	231	VLF				
28	SEAL OLD MONITORING WELLS	320	VLF				
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING						
	a) MONITORING WELLS	48	EA				
	b) SURFACE WATER SITES	39	EA				
30	MAINTAIN & REPAVE GOLD MINE RD						
	A. REPAVE GOLD MINE RD	6,619	SY				
	B. MAINTAIN GOLD MINE RD	20,000	SY				
31	LANDFILL SERVICE ROAD	8,723	SY			5,336	26.68%
32	ENVIRONMENTAL RESTORATION	1	LS				
33	SPECIAL PROJECT PROCEDURES						
	a) PLAN OF OPERATION	1	LS				
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS				
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS				
	d) SECURITY PLAN	1	LS-P				
	e) SITE HEALTH & SAFETY PLAN	1	LS				
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS				

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS			
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS			
	i) INTERIM ENV. MONITORING PLAN	1	LS			
	SUPPLEMENTAL WORK					
CO1	2" PIEZOMETERS	185	VLF			
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF	52,820	19.79%	
S2	FML SAND CUSHION	9,884.90	CY	2,152	21.77%	
S3	FML PENETRATION SEAL	9.00	EA	2	22.22%	
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF			
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY			
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY			
S7	SAND LAYER SURCHARGE	7,889.08	CY			
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS	73.10%	100.14%	
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS			
S10	RIP RAP	60.00	SY			
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF			
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC	2	76.92%	
S13	RD-II TEST PITS	4.00	HR			
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS			
S15	RD-II EROSION CONTROL	6,393.55	T&M			
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA			
S17	FENCE DEMOLITION	4,622.40	T&M			
S18	RD-II CLEARING AND GRUBBING	3.00	AC			
S19	CAP EXT. STONE SUBBASE	357.00	CY			
S20	REVISED SEED MIX	1.00	LS			
S21	R/D II ENVIR. RESTORATION	ZERO	AC			
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS			
	TOTAL COST:			$73,560.12		$21,344.00
	$ PAID:			$66,204.11		$19,209.60
	RETAINAGE:			$7,356.01		$2,134.40

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #13 6/16-7/15/90	PERCENT COMPL INV #13 6/16-7/15/90	QUANTITY INV #14 6/16-7/15/90	PERCENT COMPL INV #14 6/16-7/15/90
	SITE PREPARATION						
1	MOBILIZATION/DEMOBILIZATION	1	LS				
2	CLEARING AND GRUBBING	53.09	AC				
3	GASOLINE TANK & SOIL REMOVAL	1	LS				
4	STRUCTURE & DEBRIS REMOVAL	1	LS				
5	EROSION & SEDIMENT CONTROL	0.955	LS-P	7.0%	7.33%		
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL				
7	SECURITY FENCE	8,424	LF				
8	DECONTAMINATION AREA/FACILITIES						
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS				
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P	3.5%	7.00%		
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY	6,481.0	56.58%		
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY	9,216.0	4.70%		
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY	3,182.0	0.89%		
	SITE COVER SYSTEM						
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY				
13	CLAY LAYER	99,513.22	CY				
14	DRAINAGE LAYER	106,995.70	CY	3,767.0	3.52%		
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY	434.0	0.28%		
16	TOPSOIL	51,529.74	CY				
17	GRASS SEEDING	62.61	AC				
18	SOIL EROSION CONTROL BLANKET	5.48	AC				
	DRAINAGE SYSTEM						
19	EAST DRAINAGE CHANNEL	2,239	LF	940.0	41.98%		
20	SOUTH DRAINAGE CHANNEL	1,720	LF	650.0	37.79%		
21	NORTH DRAINAGE CHANNEL	750	LF				
22	WEST DRAINAGE CHANNEL	604	LF				
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS				
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS				
	GAS VENTING SYSTEM						
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF				
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF				
	GROUNDWATER MONITORING WELLS						
27	NEW MONITORING WELLS	231	VLF				
28	SEAL OLD MONITORING WELLS	320	VLF				
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING						
	a) MONITORING WELLS	48	EA				
	b) SURFACE WATER SITES	39	EA				
30	MAINTAIN & REPAVE GOLD MINE RD						
	A. REPAVE GOLD MINE RD	6,619	SY				
	B. MAINTAIN GOLD MINE RD	20,000	SY			1,334	6.67%
31	LANDFILL SERVICE ROAD	8,723	SY				
32	ENVIRONMENTAL RESTORATION	1	LS				
33	SPECIAL PROJECT PROCEDURES						
	a) PLAN OF OPERATION	1	LS				
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS				
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS				
	d) SECURITY PLAN	1	LS-P	7.0%	7.00%		
	e) SITE HEALTH & SAFETY PLAN	1	LS				
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS				

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS			
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS			
	i) INTERIM ENV. MONITORING PLAN	1	LS			
	SUPPLEMENTAL WORK					
CO1	2" PIEZOMETERS	185	VLF			
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF	114,264	42.81%	
S2	FML SAND CUSHION	9,884.90	CY	4,232	42.81%	
S3	FML PENETRATION SEAL	9.00	EA	3	33.33%	
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF	1,590	49.17%	
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY			
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY			
S7	SAND LAYER SURCHARGE	7,889.08	CY	3,767	47.75%	
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS			
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS	75%	75.00%	
S10	RIP RAP	60.00	SY			
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF	550.5	50.00%	
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC			
S13	RD-II TEST PITS	4.00	HR			
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS			
S15	RD-II EROSION CONTROL	6,393.55	T&M			
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA			
S17	FENCE DEMOLITION	4,622.40	T&M			
S18	RD-II CLEARING AND GRUBBING	3.00	AC			
S19	CAP EXT. STONE SUBBASE	357.00	CY			
S20	REVISED SEED MIX	1.00	LS			
S21	R/D II ENVIR. RESTORATION	ZERO	AC			
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS			
	TOTAL COST:			$923,408.92		$5,336.00
	$ PAID:			$831,068.03		$4,802.40
	RETAINAGE:			$92,340.89		$533.60

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #15 6/16-7/15/90	PERCENT COMPL INV #15 6/16-7/15/90	QUANTITY INV #16 6/16-7/15/90	PERCENT COMPL INV #16 6/16-7/15/90
	SITE PREPARATION						
1	MOBILIZATION/DEMOBILIZATION	1	LS				
2	CLEARING AND GRUBBING	53.09	AC				
3	GASOLINE TANK & SOIL REMOVAL	1	LS				
4	STRUCTURE & DEBRIS REMOVAL	1	LS				
5	EROSION & SEDIMENT CONTROL	0.955	LS-P				
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL				
7	SECURITY FENCE	8,424	LF				
8	DECONTAMINATION AREA/FACILITIES						
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS				
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P				
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY				
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY				
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY				
	SITE COVER SYSTEM						
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY				
13	CLAY LAYER	99,513.22	CY				
14	DRAINAGE LAYER	106,995.70	CY				
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY				
16	TOPSOIL	51,529.74	CY				
17	GRASS SEEDING	62.61	AC				
18	SOIL EROSION CONTROL BLANKET	5.48	AC				
	DRAINAGE SYSTEM						
19	EAST DRAINAGE CHANNEL	2,239	LF				
20	SOUTH DRAINAGE CHANNEL	1,720	LF				
21	NORTH DRAINAGE CHANNEL	750	LF				
22	WEST DRAINAGE CHANNEL	604	LF				
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS				
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS				
	GAS VENTING SYSTEM						
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF				
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF				
	GROUNDWATER MONITORING WELLS						
27	NEW MONITORING WELLS	231	VLF				
28	SEAL OLD MONITORING WELLS	320	VLF				
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING						
	a) MONITORING WELLS	48	EA				
	b) SURFACE WATER SITES	39	EA				
30	MAINTAIN & REPAVE GOLD MINE RD						
	A. REPAVE GOLD MINE RD	6,619	SY				
	B. MAINTAIN GOLD MINE RD	20,000	SY				
31	LANDFILL SERVICE ROAD	8,723	SY				
32	ENVIRONMENTAL RESTORATION	1	LS				
33	SPECIAL PROJECT PROCEDURES						
	a) PLAN OF OPERATION	1	LS				
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS				
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS				
	d) SECURITY PLAN	1	LS-P				
	e) SITE HEALTH & SAFETY PLAN	1	LS				
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS				

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS				
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS				
	i) INTERIM ENV. MONITORING PLAN	1	LS				
	SUPPLEMENTAL WORK						
CO1	2" PIEZOMETERS	185	VLF				
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF				
S2	FML SAND CUSHION	9,884.90	CY				
S3	FML PENETRATION SEAL	9.00	EA				
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF				
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY				
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY				
S7	SAND LAYER SURCHARGE	7,889.08	CY				
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS				
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS				
S10	RIP RAP	60.00	SY				
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF				
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC				
S13	RD-II TEST PITS	4.00	HR	4	100.00%		
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS				
S15	RD-II EROSION CONTROL	6,393.55	T&M			90.0%	90.00%
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA				
S17	FENCE DEMOLITION	4,622.40	T&M				
S18	RD-II CLEARING AND GRUBBING	3.00	AC				
S19	CAP EXT. STONE SUBBASE	357.00	CY				
S20	REVISED SEED MIX	1.00	LS				
S21	R/D II ENVIR. RESTORATION	ZERO	AC				
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS				
	TOTAL COST:			$1,524.00		$8,685.00	
	$ PAID:			$1,371.60		$7,816.50	
	RETAINAGE:			$152.40		$868.50	

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #17 6/16-7/15/90	PERCENT COMPL INV #17 6/16-7/15/90	QUANTITY INV #18 6/16-7/15/90	PERCENT COMPL INV #18 6/16-7/15/90
	SITE PREPARATION						
1	MOBILIZATION/DEMOBILIZATION	1	LS				
2	CLEARING AND GRUBBING	53.09	AC				
3	GASOLINE TANK & SOIL REMOVAL	1	LS				
4	STRUCTURE & DEBRIS REMOVAL	1	LS				
5	EROSION & SEDIMENT CONTROL	0.955	LS-P				
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL				
7	SECURITY FENCE	8,424	LF				
8	DECONTAMINATION AREA/FACILITIES						
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS				
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P				
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY				
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY			464.0	0.24%
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY			4,776.0	1.33%
	SITE COVER SYSTEM						
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY				
13	CLAY LAYER	99,513.22	CY				
14	DRAINAGE LAYER	106,995.70	CY				
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY				
16	TOPSOIL	51,529.74	CY				
17	GRASS SEEDING	62.61	AC				
18	SOIL EROSION CONTROL BLANKET	5.48	AC				
	DRAINAGE SYSTEM						
19	EAST DRAINAGE CHANNEL	2,239	LF				
20	SOUTH DRAINAGE CHANNEL	1,720	LF				
21	NORTH DRAINAGE CHANNEL	750	LF				
22	WEST DRAINAGE CHANNEL	604	LF				
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS				
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS				
	GAS VENTING SYSTEM						
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF				
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF				
	GROUNDWATER MONITORING WELLS						
27	NEW MONITORING WELLS	231	VLF				
28	SEAL OLD MONITORING WELLS	320	VLF				
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING						
	a) MONITORING WELLS	48	EA				
	b) SURFACE WATER SITES	39	EA				
30	MAINTAIN & REPAVE GOLD MINE RD						
	A. REPAVE GOLD MINE RD	6,619	SY				
	B. MAINTAIN GOLD MINE RD	20,000	SY				
31	LANDFILL SERVICE ROAD	8,723	SY				
32	ENVIRONMENTAL RESTORATION	1	LS				
33	SPECIAL PROJECT PROCEDURES						
	a) PLAN OF OPERATION	1	LS				
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS				
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS				
	d) SECURITY PLAN	1	LS-P				
	e) SITE HEALTH & SAFETY PLAN	1	LS				
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS				

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS			
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS			
	i) INTERIM ENV. MONITORING PLAN	1	LS			
	SUPPLEMENTAL WORK					
CO1	2" PIEZOMETERS	185	VLF			
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF			
S2	FML SAND CUSHION	9,884.90	CY			
S3	FML PENETRATION SEAL	9.00	EA			
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF			
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY			
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY			
S7	SAND LAYER SURCHARGE	7,889.08	CY			
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS			
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS			
S10	RIP RAP	60.00	SY			
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF			
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC			
S13	RD-II TEST PITS	4.00	HR			
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS			
S15	RD-II EROSION CONTROL	6,393.55	T&M			
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA			
S17	FENCE DEMOLITION	4,622.40	T&M			
S18	RD-II CLEARING AND GRUBBING	3.00	AC	3	100.00%	
S19	CAP EXT. STONE SUBBASE	357.00	CY			
S20	REVISED SEED MIX	1.00	LS			
S21	R/D II ENVIR. RESTORATION	ZERO	AC			
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS			
	TOTAL COST:			$18,793.08		$24,180.80
	$ PAID:			$16,913.77		$21,762.72
	RETAINAGE:			$1,879.31		$2,418.08

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #19 7/16-8/15/90	PERCENT COMPL INV #19 7/16-8/15/90	QUANTITY INV #20 8/15-9/15/90	PERCENT COMPL INV #20 8/15-9/15/90
	SITE PREPARATION						
1	MOBILIZATION/DEMOBILIZATION	1	LS				
2	CLEARING AND GRUBBING	53.09	AC				
3	GASOLINE TANK & SOIL REMOVAL	1	LS				
4	STRUCTURE & DEBRIS REMOVAL	1	LS				
5	EROSION & SEDIMENT CONTROL	0.955	LS-P	7.0%	7.33%	7.0%	7.33%
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL				
7	SECURITY FENCE	8,424	LF			3,515.0	41.73%
8	DECONTAMINATION AREA/FACILITIES						
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS				
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P	3.5%	7.00%	3.5%	7.00%
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY	7361	64.27%	548.0	4.78%
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY	4195	2.14%	1,643.0	0.84%
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY	42054	11.70%	13,520.0	3.76%
	SITE COVER SYSTEM						
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY				
13	CLAY LAYER	99,513.22	CY	3195	3.21%	25,681.0	25.81%
14	DRAINAGE LAYER	106,995.70	CY	10680	9.98%	23,148.0	21.63%
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY	6574	4.23%	33,357.0	21.46%
16	TOPSOIL	51,529.74	CY			573.0	1.11%
17	GRASS SEEDING	62.61	AC				
18	SOIL EROSION CONTROL BLANKET	5.48	AC				
	DRAINAGE SYSTEM						
19	EAST DRAINAGE CHANNEL	2,239	LF				
20	SOUTH DRAINAGE CHANNEL	1,720	LF	1030	59.88%		
21	NORTH DRAINAGE CHANNEL	750	LF				
22	WEST DRAINAGE CHANNEL	604	LF	250	41.39%	355	58.77%
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS				
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS			25.0%	25.00%
	GAS VENTING SYSTEM						
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF				
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF	850	13.14%	1,501.0	23.21%
	GROUNDWATER MONITORING WELLS						
27	NEW MONITORING WELLS	231	VLF				
28	SEAL OLD MONITORING WELLS	320	VLF				
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING						
	a) MONITORING WELLS	48	EA	6	12.50%		
	b) SURFACE WATER SITES	39	EA	5	12.82%		
30	MAINTAIN & REPAVE GOLD MINE RD						
	A. REPAVE GOLD MINE RD	6,619	SY				
	B. MAINTAIN GOLD MINE RD	20,000	SY	1,334.0	6.67%	1,334.0	6.67%
31	LANDFILL SERVICE ROAD	8,723	SY				
32	ENVIRONMENTAL RESTORATION	1	LS				
33	SPECIAL PROJECT PROCEDURES						
	a) PLAN OF OPERATION	1	LS				
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS				
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS				
	d) SECURITY PLAN	1	LS-P	7.0%	7.00%	7.0%	7.00%
	e) SITE HEALTH & SAFETY PLAN	1	LS				
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS				

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS				
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS				
	i) INTERIM ENV. MONITORING PLAN	1	LS				
	SUPPLEMENTAL WORK						
CO1	2" PIEZOMETERS	185	VLF				
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF	43380	16.25%	28,350.0	10.62%
S2	FML SAND CUSHION	9,884.90	CY	1750	17.70%	1,000.0	10.12%
S3	FML PENETRATION SEAL	9.00	EA	3	33.33%	1.0	11.11%
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF	1030	31.85%	355.0	10.98%
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY				
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY				
S7	SAND LAYER SURCHARGE	7,889.08	CY	1420	18.00%		
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS				
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS	0.25	25.00%		
S10	RIP RAP	60.00	SY				
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF	550.5	50.00%		
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC				
S13	RD-II TEST PITS	4.00	HR				
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS	10.0%	10.00%		
S15	RD-II EROSION CONTROL	6,393.55	T&M				
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA			10.0	40.00%
S17	FENCE DEMOLITION	4,622.40	T&M			$4,622.40	100.00%
S18	RD-II CLEARING AND GRUBBING	3.00	AC				
S19	CAP EXT. STONE SUBBASE	357.00	CY				
S20	REVISED SEED MIX	1.00	LS				
S21	R/D II ENVIR. RESTORATION	ZERO	AC				
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS				
	TOTAL COST:			$1,093,677.55		$1,757,271.78	
	$ PAID:			$984,309.79		$1,694,941.25	
	RETAINAGE:			$109,367.77		$62,330.53	

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #21 9/16-10/15/90	PERCENT COMPL INV #21 9/16-10/15/90	QUANTITY INV #22 9/16-10/15/90	PERCENT COMPL INV #22 9/16-10/15/90
	SITE PREPARATION						
1	MOBILIZATION/DEMOBILIZATION	1	LS				
2	CLEARING AND GRUBBING	53.09	AC				
3	GASOLINE TANK & SOIL REMOVAL	1	LS				
4	STRUCTURE & DEBRIS REMOVAL	1	LS				
5	EROSION & SEDIMENT CONTROL	0.955	LS-P	7.0%	7.33%		
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL				
7	SECURITY FENCE	8,424	LF	510	6.05%		
8	DECONTAMINATION AREA/FACILITIES						
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS				
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P	3.5%	7.00%		
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY	3,720.0	32.48%		
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY				
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY	16,650.0	4.63%	19,500.0	5.43%
	SITE COVER SYSTEM						
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY				
13	CLAY LAYER	99,513.22	CY	26,651.0	26.78%		
14	DRAINAGE LAYER	106,995.70	CY	21,727.0	20.31%		
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY	33,421.0	21.50%		
16	TOPSOIL	51,529.74	CY	20,078.0	38.96%		
17	GRASS SEEDING	62.61	AC	6.94	11.08%		
18	SOIL EROSION CONTROL BLANKET	5.48	AC				
	DRAINAGE SYSTEM						
19	EAST DRAINAGE CHANNEL	2,239	LF	125.0	5.58%		
20	SOUTH DRAINAGE CHANNEL	1,720	LF				
21	NORTH DRAINAGE CHANNEL	750	LF				
22	WEST DRAINAGE CHANNEL	604	LF				
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS				
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS	10.0%	10.00%		
	GAS VENTING SYSTEM						
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF				
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF				
	GROUNDWATER MONITORING WELLS						
27	NEW MONITORING WELLS	231	VLF				
28	SEAL OLD MONITORING WELLS	320	VLF				
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING						
	a) MONITORING WELLS	48	EA				
	b) SURFACE WATER SITES	39	EA				
30	MAINTAIN & REPAVE GOLD MINE RD						
	A. REPAVE GOLD MINE RD	6,619	SY				
	B. MAINTAIN GOLD MINE RD	20,000	SY	668.0	3.34%		
31	LANDFILL SERVICE ROAD	8,723	SY				
32	ENVIRONMENTAL RESTORATION	1	LS	51.0%	51.00%		
33	SPECIAL PROJECT PROCEDURES						
	a) PLAN OF OPERATION	1	LS				
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS				
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS				
	d) SECURITY PLAN	1	LS-P	7.0%	7.00%		
	e) SITE HEALTH & SAFETY PLAN	1	LS				
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS				

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS			
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS			
	i) INTERIM ENV. MONITORING PLAN	1	LS			
	SUPPLEMENTAL WORK					
CO1	2" PIEZOMETERS	185	VLF			
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF			
S2	FML SAND CUSHION	9,884.90	CY			
S3	FML PENETRATION SEAL	9.00	EA			
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF	225.0	6.96%	
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY	8,437.0	59.99%	
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY	704.0	42.96%	
S7	SAND LAYER SURCHARGE	7,889.08	CY	1,848.0	23.42%	
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS			
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS			
S10	RIP RAP	60.00	SY			
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF			
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC			
S13	RD-II TEST PITS	4.00	HR			
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS			
S15	RD-II EROSION CONTROL	6,393.55	T&M			
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA			
S17	FENCE DEMOLITION	4,622.40	T&M			
S18	RD-II CLEARING AND GRUBBING	3.00	AC			
S19	CAP EXT. STONE SUBBASE	357.00	CY			
S20	REVISED SEED MIX	1.00	LS			
S21	R/D II ENVIR. RESTORATION	ZERO	AC			
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS			
	TOTAL COST:			$1,988,640.01		$74,100.00
	$ PAID:			$1,988,640.01		$74,100.00
	RETAINAGE:					

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #23 9/16-10/15/90	PERCENT COMPL INV #23 9/16-10/15/90	QUANTITY INV #24 10/16-11/15/90	PERCENT COMPL INV #24 10/16-11/15/90
	SITE PREPARATION						
1	MOBILIZATION/DEMOBILIZATION	1	LS				
2	CLEARING AND GRUBBING	53.09	AC				
3	GASOLINE TANK & SOIL REMOVAL	1	LS				
4	STRUCTURE & DEBRIS REMOVAL	1	LS				
5	EROSION & SEDIMENT CONTROL	0.955	LS-P			6.0%	6.28%
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL				
7	SECURITY FENCE	8,424	LF				
8	DECONTAMINATION AREA/FACILITIES						
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS				
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P			3.5%	7.00%
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY				
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY				
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY				
	SITE COVER SYSTEM						
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY				
13	CLAY LAYER	99,513.22	CY	1,404.0	1.41%	29,553.0	29.70%
14	DRAINAGE LAYER	106,995.70	CY	1,404.0	1.31%	44,403.0	41.50%
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY	2,105.0	1.35%	70,515.0	45.36%
16	TOPSOIL	51,529.74	CY	702.0	1.36%	6,242.0	12.11%
17	GRASS SEEDING	62.61	AC			5.88	9.39%
18	SOIL EROSION CONTROL BLANKET	5.48	AC				
	DRAINAGE SYSTEM						
19	EAST DRAINAGE CHANNEL	2,239	LF				
20	SOUTH DRAINAGE CHANNEL	1,720	LF				
21	NORTH DRAINAGE CHANNEL	750	LF				
22	WEST DRAINAGE CHANNEL	604	LF				
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS				
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS			40.0%	40.00%
	GAS VENTING SYSTEM						
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF				
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF				
	GROUNDWATER MONITORING WELLS						
27	NEW MONITORING WELLS	231	VLF				
28	SEAL OLD MONITORING WELLS	320	VLF				
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING						
	a) MONITORING WELLS	48	EA			6	12.50%
	b) SURFACE WATER SITES	39	EA			5	12.82%
30	MAINTAIN & REPAVE GOLD MINE RD						
	A. REPAVE GOLD MINE RD	6,619	SY				
	B. MAINTAIN GOLD MINE RD	20,000	SY			1,336.0	6.68%
31	LANDFILL SERVICE ROAD	8,723	SY				
32	ENVIRONMENTAL RESTORATION	1	LS				
33	SPECIAL PROJECT PROCEDURES						
	a) PLAN OF OPERATION	1	LS				
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS				
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS				
	d) SECURITY PLAN	1	LS-P			7.0%	7.00%
	e) SITE HEALTH & SAFETY PLAN	1	LS				
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS				

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS				
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS				
	i) INTERIM ENV. MONITORING PLAN	1	LS				
	SUPPLEMENTAL WORK						
CO1	2" PIEZOMETERS	185	VLF				
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF				
S2	FML SAND CUSHION	9,884.90	CY				
S3	FML PENETRATION SEAL	9.00	EA				
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF				
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY				
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY			3,493.0	24.83%
S7	SAND LAYER SURCHARGE	7,889.08	CY			737.0	44.97%
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS				
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS				
S10	RIP RAP	60.00	SY				
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF				
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC				
S13	RD-II TEST PITS	4.00	HR				
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS				
S15	RD-II EROSION CONTROL	6,393.55	T&M				
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA				
S17	FENCE DEMOLITION	4,622.40	T&M				
S18	RD-II CLEARING AND GRUBBING	3.00	AC				
S19	CAP EXT. STONE SUBBASE	357.00	CY	357	100.00%		
S20	REVISED SEED MIX	1.00	LS				
S21	R/D II ENVIR. RESTORATION	ZERO	AC				
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS				
	TOTAL COST:			$97,337.00		$2,712,263.35	
	$ PAID:			$97,337.00		$2,712,263.35	
	RETAINAGE:						

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #25 11/16-12/15/90	PERCENT COMPL INV #25 11/16-12/15/90	QUANTITY INV #26 11/16-12/15/90	PERCENT COMPL INV #26 11/16-12/15/90
	SITE PREPARATION						
1	MOBILIZATION/DEMOBILIZATION	1	LS				
2	CLEARING AND GRUBBING	53.09	AC				
3	GASOLINE TANK & SOIL REMOVAL	1	LS				
4	STRUCTURE & DEBRIS REMOVAL	1	LS				
5	EROSION & SEDIMENT CONTROL	0.955	LS-P	7.0%	7.33%		
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL				
7	SECURITY FENCE	8,424	LF	786	9.33%		
8	DECONTAMINATION AREA/FACILITIES						
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS				
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P	11.5%	23.00%		
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY				
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY				
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY				
	SITE COVER SYSTEM						
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY				
13	CLAY LAYER	99,513.22	CY	2,191.0	2.20%		
14	DRAINAGE LAYER	106,995.70	CY	1,147.0	1.07%		
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY	7,565.99	4.87%		
16	TOPSOIL	51,529.74	CY	23,164.0	44.95%		
17	GRASS SEEDING	62.61	AC				
18	SOIL EROSION CONTROL BLANKET	5.48	AC				
	DRAINAGE SYSTEM						
19	EAST DRAINAGE CHANNEL	2,239	LF				
20	SOUTH DRAINAGE CHANNEL	1,720	LF				
21	NORTH DRAINAGE CHANNEL	750	LF				
22	WEST DRAINAGE CHANNEL	604	LF				
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS				
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS	5.0%	5.00%		
	GAS VENTING SYSTEM						
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF				
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF	-436	-6.74%		
	GROUNDWATER MONITORING WELLS						
27	NEW MONITORING WELLS	231	VLF				
28	SEAL OLD MONITORING WELLS	320	VLF				
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING						
	a) MONITORING WELLS	48	EA				
	b) SURFACE WATER SITES	39	EA				
30	MAINTAIN & REPAVE GOLD MINE RD						
	A. REPAVE GOLD MINE RD	6,619	SY	6,619	100.00%		
	B. MAINTAIN GOLD MINE RD	20,000	SY	7,322	36.61%		
31	LANDFILL SERVICE ROAD	8,723	SY	8723	100.00%		
32	ENVIRONMENTAL RESTORATION	1	LS	0.39	39.00%		
33	SPECIAL PROJECT PROCEDURES						
	a) PLAN OF OPERATION	1	LS				
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS				
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS				
	d) SECURITY PLAN	1	LS-P	23.0%	23.00%		
	e) SITE HEALTH & SAFETY PLAN	1	LS				
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS				

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS				
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS				
	i) INTERIM ENV. MONITORING PLAN	1	LS				
	SUPPLEMENTAL WORK						
CO1	2" PIEZOMETERS	185	VLF				
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF	-3229	-1.21%		
S2	FML SAND CUSHION	9,884.90	CY	-409	-4.14%		
S3	FML PENETRATION SEAL	9.00	EA				
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF				
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY	2,135.0	15.18%		
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY				
S7	SAND LAYER SURCHARGE	7,889.08	CY	-958	-12.14%		
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS				
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS				
S10	RIP RAP	60.00	SY	60	100.00%		
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF				
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC	0.6	23.08%		
S13	RD-II TEST PITS	4.00	HR				
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS				
S15	RD-II EROSION CONTROL	6,393.55	T&M				
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA	15	60.00%		
S17	FENCE DEMOLITION	4,622.40	T&M				
S18	RD-II CLEARING AND GRUBBING	3.00	AC				
S19	CAP EXT. STONE SUBBASE	357.00	CY				
S20	REVISED SEED MIX	1.00	LS	100.0%	100.00%		
S21	R/D II ENVIR. RESTORATION	ZERO	AC				
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS			3.9	50.00%
	TOTAL COST:			$1,000,031.40		$21,575.00	
	$ PAID:			$1,000,031.40		$21,575.00	
	RETAINAGE:						

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #27 12/16/90-1/15/91	PERCENT COMPL INV #27 12/16/90-1/15/91	QUANTITY INV #28 1/16-3/15/91	PERCENT COMPL INV #28 1/16-3/15/91
	SITE PREPARATION						
1	MOBILIZATION/DEMOBILIZATION	1	LS				
2	CLEARING AND GRUBBING	53.09	AC				
3	GASOLINE TANK & SOIL REMOVAL	1	LS				
4	STRUCTURE & DEBRIS REMOVAL	1	LS				
5	EROSION & SEDIMENT CONTROL	0.955	LS-P	0.07	7.33%	0.14	14.66%
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL				
7	SECURITY FENCE	8,424	LF	53	0.63%		
8	DECONTAMINATION AREA/FACILITIES						
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS				
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P				
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY				
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY				
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY				
	SITE COVER SYSTEM						
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY				
13	CLAY LAYER	99,513.22	CY				
14	DRAINAGE LAYER	106,995.70	CY				
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY				
16	TOPSOIL	51,529.74	CY				
17	GRASS SEEDING	62.61	AC				
18	SOIL EROSION CONTROL BLANKET	5.48	AC				
	DRAINAGE SYSTEM						
19	EAST DRAINAGE CHANNEL	2,239	LF				
20	SOUTH DRAINAGE CHANNEL	1,720	LF				
21	NORTH DRAINAGE CHANNEL	750	LF				
22	WEST DRAINAGE CHANNEL	604	LF				
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS				
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS				
	GAS VENTING SYSTEM						
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF	102.5	8.30%		
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF				
	GROUNDWATER MONITORING WELLS						
27	NEW MONITORING WELLS	231	VLF				
28	SEAL OLD MONITORING WELLS	320	VLF				
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING						
	a) MONITORING WELLS	48	EA	6	12.50%		
	b) SURFACE WATER SITES	39	EA	5	12.82%		
30	MAINTAIN & REPAVE GOLD MINE RD						
	A. REPAVE GOLD MINE RD	6,619	SY				
	B. MAINTAIN GOLD MINE RD	20,000	SY				
31	LANDFILL SERVICE ROAD	8,723	SY				
32	ENVIRONMENTAL RESTORATION	1	LS				
33	SPECIAL PROJECT PROCEDURES						
	a) PLAN OF OPERATION	1	LS				
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS				
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS				
	d) SECURITY PLAN	1	LS-P				
	e) SITE HEALTH & SAFETY PLAN	1	LS				
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS				

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS			
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS			
	i) INTERIM ENV. MONITORING PLAN	1	LS			
	SUPPLEMENTAL WORK					
CO1	2" PIEZOMETERS	185	VLF			
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF			
S2	FML SAND CUSHION	9,884.90	CY			
S3	FML PENETRATION SEAL	9.00	EA			
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF			
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY			
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY			
S7	SAND LAYER SURCHARGE	7,889.08	CY			
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS			
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS			
S10	RIP RAP	60.00	SY			
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF			
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC			
S13	RD-II TEST PITS	4.00	HR			
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS			
S15	RD-II EROSION CONTROL	6,393.55	T&M			
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA			
S17	FENCE DEMOLITION	4,622.40	T&M			
S18	RD-II CLEARING AND GRUBBING	3.00	AC			
S19	CAP EXT. STONE SUBBASE	357.00	CY			
S20	REVISED SEED MIX	1.00	LS			
S21	R/D II ENVIR. RESTORATION	ZERO	AC			
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS	1.17	15.00%	
	TOTAL COST:			$36,208.50		$25,900.00
	$ PAID:			$11,680.19		$0.00
	RETAINAGE:			$24,528.31		$25,900.00

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #29 3/16-5/15/91	PERCENT COMPL INV #29 3/16-5/15/91	QUANTITY INV #30 5/16-6/15/91	PERCENT COMPL INV #30 5/16-6/15/91
	SITE PREPARATION						
1	MOBILIZATION/DEMOBILIZATION	1	LS				
2	CLEARING AND GRUBBING	53.09	AC				
3	GASOLINE TANK & SOIL REMOVAL	1	LS				
4	STRUCTURE & DEBRIS REMOVAL	1	LS				
5	EROSION & SEDIMENT CONTROL	0.955	LS-P	0.02	2.09%		
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL				
7	SECURITY FENCE	8,424	LF				
8	DECONTAMINATION AREA/FACILITIES						
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS				
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P	0.0175	3.50%	0.0175	3.50%
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY				
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY				
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY				
	SITE COVER SYSTEM						
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY				
13	CLAY LAYER	99,513.22	CY			1,668.50	1.68%
14	DRAINAGE LAYER	106,995.70	CY				
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY				
16	TOPSOIL	51,529.74	CY				
17	GRASS SEEDING	62.61	AC	30.27	48.35%	10.00	15.97%
18	SOIL EROSION CONTROL BLANKET	5.48	AC			2.05	37.41%
	DRAINAGE SYSTEM						
19	EAST DRAINAGE CHANNEL	2,239	LF				
20	SOUTH DRAINAGE CHANNEL	1,720	LF				
21	NORTH DRAINAGE CHANNEL	750	LF				
22	WEST DRAINAGE CHANNEL	604	LF				
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS				
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS	0.10	10.00%	0.10	10.00%
	GAS VENTING SYSTEM						
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF				
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF				
	GROUNDWATER MONITORING WELLS						
27	NEW MONITORING WELLS	231	VLF				
28	SEAL OLD MONITORING WELLS	320	VLF				
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING						
	a) MONITORING WELLS	48	EA	6	12.50%	6	12.50%
	b) SURFACE WATER SITES	39	EA	5	12.82%	5	12.82%
30	MAINTAIN & REPAVE GOLD MINE RD						
	A. REPAVE GOLD MINE RD	6,619	SY				
	B. MAINTAIN GOLD MINE RD	20,000	SY			1336	6.68%
31	LANDFILL SERVICE ROAD	8,723	SY				
32	ENVIRONMENTAL RESTORATION	1	LS			0.10	10.00%
33	SPECIAL PROJECT PROCEDURES						
	a) PLAN OF OPERATION	1	LS				
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS				
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS				
	d) SECURITY PLAN	1	LS-P	0.0350	3.50%	0.0350	3.50%
	e) SITE HEALTH & SAFETY PLAN	1	LS				
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS				

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #34 6/16/91-1/15/92	PERCENT COMPL INV #34 6/16/91-1/15/92	QUANTITY INV #36 1/16-5/15/92	PERCENT COMPL INV #36 6/16/91-1/15/92
	SITE PREPARATION						
1	MOBILIZATION/DEMOBILIZATION	1	LS				
2	CLEARING AND GRUBBING	53.09	AC				
3	GASOLINE TANK & SOIL REMOVAL	1	LS				
4	STRUCTURE & DEBRIS REMOVAL	1	LS				
5	EROSION & SEDIMENT CONTROL	0.955	LS-P				
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL				
7	SECURITY FENCE	8,424	LF				
8	DECONTAMINATION AREA/FACILITIES						
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS				
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P				
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY				
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY				
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY			14609	7.45%
	SITE COVER SYSTEM						
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY				
13	CLAY LAYER	99,513.22	CY				
14	DRAINAGE LAYER	106,995.70	CY				
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY			671.24	0.63%
16	TOPSOIL	51,529.74	CY				
17	GRASS SEEDING	62.61	AC			770.74	1.50%
18	SOIL EROSION CONTROL BLANKET	5.48	AC				
	DRAINAGE SYSTEM						
19	EAST DRAINAGE CHANNEL	2,239	LF				
20	SOUTH DRAINAGE CHANNEL	1,720	LF				
21	NORTH DRAINAGE CHANNEL	750	LF				
22	WEST DRAINAGE CHANNEL	604	LF				
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS				
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS				
	GAS VENTING SYSTEM						
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF				
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF				
	GROUNDWATER MONITORING WELLS						
27	NEW MONITORING WELLS	231	VLF				
28	SEAL OLD MONITORING WELLS	320	VLF				
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING						
	a) MONITORING WELLS	48	EA	12	25.00%		
	b) SURFACE WATER SITES	39	EA	9	23.08%		
30	MAINTAIN & REPAVE GOLD MINE RD						
	A. REPAVE GOLD MINE RD	6,619	SY				
	B. MAINTAIN GOLD MINE RD	20,000	SY				
31	LANDFILL SERVICE ROAD	8,723	SY				
32	ENVIRONMENTAL RESTORATION	1	LS				
33	SPECIAL PROJECT PROCEDURES						
	a) PLAN OF OPERATION	1	LS				
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS				
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS				
	d) SECURITY PLAN	1	LS-P				
	e) SITE HEALTH & SAFETY PLAN	1	LS				
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS				

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS			
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS			
	i) INTERIM ENV. MONITORING PLAN	1	LS			
	SUPPLEMENTAL WORK					
CO1	2" PIEZOMETERS	185	VLF			
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF			
S2	FML SAND CUSHION	9,884.90	CY			
S3	FML PENETRATION SEAL	9.00	EA			
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF			
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY			
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY			
S7	SAND LAYER SURCHARGE	7,889.08	CY			
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS			
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS			
S10	RIP RAP	60.00	SY			
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF			
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC			
S13	RD-II TEST PITS	4.00	HR			
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS			
S15	RD-II EROSION CONTROL	6,393.55	T&M		3000.00	46.92%
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA			
S17	FENCE DEMOLITION	4,622.40	T&M			
S18	RD-II CLEARING AND GRUBBING	3.00	AC			
S19	CAP EXT. STONE SUBBASE	357.00	CY			
S20	REVISED SEED MIX	1.00	LS			
S21	R/D II ENVIR. RESTORATION	ZERO	AC		1.53	19.62%
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS			
	TOTAL COST:			$174,433.94	$178,833.94	
	$ PAID:			$141,469.24	$177,687.53	
	RETAINAGE:			$32,964.70	$1,146.41	

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS			
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS			
	i) INTERIM ENV. MONITORING PLAN	1	LS			
	SUPPLEMENTAL WORK					
CO1	2" PIEZOMETERS	185	VLF			
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF		19328.9	7.24%
S2	FML SAND CUSHION	9,884.90	CY		718.5	7.27%
S3	FML PENETRATION SEAL	9.00	EA			
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF		10	0.31%
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY			
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY		197.89	12.07%
S7	SAND LAYER SURCHARGE	7,889.08	CY		1812.08	22.97%
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS			
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS			
S10	RIP RAP	60.00	SY			
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF			
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC			
S13	RD-II TEST PITS	4.00	HR			
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS			
S15	RD-II EROSION CONTROL	6,393.55	T&M		3393.55	53.08%
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA			
S17	FENCE DEMOLITION	4,622.40	T&M			
S18	RD-II CLEARING AND GRUBBING	3.00	AC			
S19	CAP EXT. STONE SUBBASE	357.00	CY			
S20	REVISED SEED MIX	1.00	LS			
S21	R/D II ENVIR. RESTORATION	ZERO	AC			
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS			
	TOTAL COST:			$7,350.00	$260,948.19	
	$ PAID:			$7,350.00	$260,948.19	
	RETAINAGE:					

CFN MONTHLY FUNDING
CONTRACT X - 002
CONTI CONSTRUCTION CO.

ITEM	DESCRIPTION	FINAL QTY/	TOT UNIT	QUANTITY INV #37-FINAL 5/16-6/10/92	PERCENT COMPLETE INV #37 5/16-6/10/92	TOTAL ITEM $ SPENT
	SITE PREPARATION					
1	MOBILIZATION/DEMOBILIZATION	1	LS			$370,000.00
2	CLEARING AND GRUBBING	53.09	AC			$18,581.50
3	GASOLINE TANK & SOIL REMOVAL	1	LS			$42,400.00
4	STRUCTURE & DEBRIS REMOVAL	1	LS			$57,300.00
5	EROSION & SEDIMENT CONTROL	0.955	LS-P			$176,675.00
6	DEWATERING OF SURFACE PONDS	1,000,000	GAL			$2,500.00
7	SECURITY FENCE	8,424	LF			$101,088.00
8	DECONTAMINATION AREA/FACILITIES					$287,000.00
	A. DECONTAMINATION AREA/FACILITIE	0.5	LS			
	B. DECONTAMINATION AREA/FACILITIE	0.5	LS-P			
9	RELOCATE REFUSE FROM OUTSIDE CA AREA INTO LANDFILL	11,454	CY			$91,632.00
10	RELOCATE REFUSE WITHIN LANDFILL	196,133	CY	63222	32.23%	$2,549,729.00
11	EARTHWORK, EXCAVATION, GRADING COMPACTION OF ON-SITE MATERIAL	359,300	CY			$1,365,340.00
	SITE COVER SYSTEM					
12	BASE FILL (OFF-SITE BOTTOM BORRO	29,797	CY			$588,490.75
13	CLAY LAYER	99,513.22	CY	697.72	0.70%	$1,592,211.52
14	DRAINAGE LAYER	106,995.70	CY	48.46	0.05%	$1,711,931.20
15	CLEAN FILL (OFF-SITE BORROW)	155,459.66	CY	1487.67	0.96%	$2,487,354.56
16	TOPSOIL	51,529.74	CY			$824,475.84
17	GRASS SEEDING	62.61	AC	5.49	8.77%	$228,651.72
18	SOIL EROSION CONTROL BLANKET	5.48	AC	1.98	36.13%	$82,419.20
	DRAINAGE SYSTEM					
19	EAST DRAINAGE CHANNEL	2,239	LF	53	2.37%	$593,335.00
20	SOUTH DRAINAGE CHANNEL	1,720	LF	40	2.33%	$455,800.00
21	NORTH DRAINAGE CHANNEL	750	LF			$198,750.00
22	WEST DRAINAGE CHANNEL	604	LF			$160,060.00
23	CULVERT IN SOUTH DRAINAGE CHANN	ZERO	LS			
24	CAP DRAINAGE SYSTEM AND PERIMETRY DRAIN	1	LS			$469,404.00
	GAS VENTING SYSTEM					
25	PIPE GAS VENTS, MAIN LANDFILL AREA	1234.50	VLF			$148,140.00
26	PERIMETER GAS VENT TRENCH AND TRENCH PIPE VENTS	6,468	LF			$64,680.00
	GROUNDWATER MONITORING WELLS					
27	NEW MONITORING WELLS	231	VLF			$58,905.00
28	SEAL OLD MONITORING WELLS	320	VLF			$17,600.00
29	INTERIM ENVIRONMENTAL MONITORING PLAN SAMPLING					
	a) MONITORING WELLS	48	EA			$16,800.00
	b) SURFACE WATER SITES	39	EA			$13,650.00
30	MAINTAIN & REPAVE GOLD MINE RD					
	A. REPAVE GOLD MINE RD	6,619	SY			$205,189.00
	B. MAINTAIN GOLD MINE RD	20,000	SY			$80,000.00
31	LANDFILL SERVICE ROAD	8,723	SY			$87,230.00
32	ENVIRONMENTAL RESTORATION	1	LS			$77,900.00
33	SPECIAL PROJECT PROCEDURES					
	a) PLAN OF OPERATION	1	LS			$35,000.00
	b) SPILL & DISCHARGE CONTROL PLAN	1	LS			$35,000.00
	c) QUALITY ASSURANCE PLAN (QAP)	1	LS			$35,000.00
	d) SECURITY PLAN	1	LS-P			$125,000.00
	e) SITE HEALTH & SAFETY PLAN	1	LS			$35,000.00
	f) ENVIRON. POLLUTION CONTROL PLA	1	LS			$35,000.00

	g) CONTRACTOR FIELD SAMPLING PLA	1	LS				$35,000.00
	h) CONST. PHASE ENV. MONITOR'G PL	1	LS				$35,000.00
	i) INTERIM ENV. MONITORING PLAN	1	LS				$35,000.00
	SUPPLEMENTAL WORK						
CO1	2" PIEZOMETERS	185	VLF				$14,800.00
S1	FLEXIBLE MEMBRANE LINER	266,891.50	SF	11977.6		4.49%	$137,716.01
S2	FML SAND CUSHION	9,884.90	CY	441.4		4.47%	$158,158.40
S3	FML PENETRATION SEAL	9.00	EA				$4,500.00
S4	GABION INSTALLATION SURCHARGE	3,234.00	LF	24		0.74%	$129,799.82
S5	CAP MATERIAL PLACEMENT SURCHAR	14,065.00	CY				$27,708.05
S6	CLAY PLACEMENT SURCHARGE	1,638.89	CY				$101,512.85
S7	SAND LAYER SURCHARGE	7,889.08	CY				$45,441.10
S8	S. DRAIN CULVERT RESTOCK FEE	0.73	LS				$5,000.00
S9	S. DRAINAGE CHANNEL CATCH BASIN	1.00	LS				$6,795.90
S10	RIP RAP	60.00	SY				$4,800.00
S11	FILTER FABRIC AT CHANNEL DROPS	1,101.00	SF				$1,134.03
S12	ADDITIONAL CLEARING AND GRUBBIN	2.60	AC				$7,634.90
S13	RD-II TEST PITS	4.00	HR				$1,524.00
S14	ADDITIONAL GAS TANK REMOVAL	1.00	LS				$9,650.00
S15	RD-II EROSION CONTROL	6,393.55	T&M				$6,393.55
S16	GAS VENT RISER PIPE ADJUSTMENT	25.00	EA				$781.25
S17	FENCE DEMOLITION	4,622.40	T&M				$4,622.40
S18	RD-II CLEARING AND GRUBBING	3.00	AC				$18,793.08
S19	CAP EXT. STONE SUBBASE	357.00	CY				$7,497.00
S20	REVISED SEED MIX	1.00	LS				$2,100.00
S21	R/D II ENVIR. RESTORATION	ZERO	AC				$ ZERO
	ADDED CLAIMS SETTLEMENT ITEMS	1	LS	1		100.00%	$491,299.23

TOTAL COST:	$931,844.63	TOTAL COST:	$16,817,884.87
$ PAID:	$931,844.63	$ PAID W/O RETAINAG	$15,917,380.18
RETAINAGE:		TOTAL RETAINAGE:	$900,504.68

RETAINAGE RELEASE

INVOICES # 31 FOR:	$532,783.46
# 32 FOR:	$15,956.00
# 33 FOR:	$44,558.04
# 35 FOR:	$307,207.18
TOTAL RETAINAGE RELEASE	$900,504.68

ATTACHMENT 3

CFN FINAL FUNDING STATEMENT OF BUREAU OF CONTRUCTION ALLOWED COSTS
CONTRACT X-464
LAWLER, MATUSKY & SKELLY ENGINEERS

BILLING FOR MONTH YEAR	OFFICE OR FIELD SERVICES	BILL TOTAL	RETAINAGE	SUBTOTAL	DIRECT LABOR	OH LABOR	PROFIT	DIRECT COST PASS ON TOTAL
11/89	OS	4786.09	531.79	5317.88	1854.25	2857.40	589.43	16.80
11/89	FS	1249.00	138.78	1387.78	485.31	747.86	154.27	0.34
12/89	FS	6457.20	717.47	7174.67	2495.88	3846.15	793.39	39.25
12/89	OS	13006.15	1445.13	14451.28	5032.445	7754.998	1600.32	63.52
01/90	FS	9760.39	1084.49	10844.87	3754.45	5785.61	1193.92	110.90
01/90	OS	27496.23	3055.14	30551.37	10607.185	16345.672	3373.08	225.43
02/90	FS	24373.43	2708.16	27081.59	9446.81	14557.53	3004.09	73.16
02/90	OS	19624.59	2180.51	21805.10	7572.48	11669.19	2408.05	155.38
03/90	FS	34605.28	3845.03	38450.31	13186.74	20320.77	4193.38	749.42
03/90	OS	11829.43	1314.38	13143.81	4437.40	6838.03	1411.09	457.28
04/90	FS	30990.86	3443.43	34434.29	11930.825	18385.401	3794.00	324.06
04/90	OS	6616.47	735.16	7351.63	2524.305	3889.954	802.73	134.64
05/90	FS	32975.94	3663.99	36639.94	12801.38	19726.93	4070.84	40.79
05/90	OS	29701.15	3300.13	33001.28	11413.51	17588.22	3629.50	370.05
06/90	FS	38505.40	4278.38	42783.78	14701.40	22654.86	4675.05	752.48
06/90	OS	35633.17	3959.24	39592.41	13585.905	20935.880	4320.32	750.31
07/90	FS	41843.81	4649.31	46493.13	16214.175	24986.024	5156.11	136.82
07/90	OS	23122.39	2569.15	25691.54	8729.825	13452.660	2776.08	732.97
08/90	FS	48946.72	5438.52	54385.24	18919.05	29154.26	6016.26	295.68
08/90	OS	20233.70	2248.19	22481.88	7726.57	11906.64	2457.05	391.62
09/90	FS	42792.83	4754.76	47547.59	16609.70	25595.55	5281.88	60.46
09/90	OS	17318.31	1924.26	19242.57	6649.005	10246.117	2114.38	233.06
10/90	FS	44317.28	4924.14	49241.43	17179.485	26473.586	5463.08	125.28
10/90	OS	16643.23	1849.25	18492.47	6285.30	9685.65	1998.73	522.80
11/90	FS	24798.95	2755.44	27554.39	9056.20	13955.60	2879.87	1662.71
11/90	OS	8733.06	970.34	9703.40	3283.19	5059.40	1044.05	316.76
12/90	FS	11004.81	1222.76	12227.57	4007.73	6175.91	1274.46	769.47
12/90	OS	6005.83	667.31	6673.14	2317.675	3571.537	737.02	46.91
01/91	FS	1804.38	200.49	2004.87	527.55	812.95	167.76	496.60
01/91	OS	9528.23	1058.69	10586.92	3662.815	5644.398	1164.78	114.93
02/91	FS	2620.21	291.13	2911.34	1012.98	1561.00	322.13	15.23
02/91	OS	11786.41	1309.60	13096.01	4554.425	7018.369	1448.31	74.91
03/91	FS	739.56	82.17	821.73	260.96	402.14	82.99	75.65
03/91	OS	5457.82	606.42	6064.24	2094.61	3227.79	666.09	75.75
04/91	FS	2.67	0.30	2.97	0.00	0.00	0.00	2.97
04/91	OS	8273.71	919.30	9193.01	3199.30	4930.12	1017.38	46.21
05/91	OS	11661.00	1295.67	12956.67	4455.40	6865.77	1416.82	218.68
06/91	OS	4918.58	546.51	5465.09	1837.925	2832.242	584.46	210.46
07/91	OS	2098.95	233.22	2332.16	775.80	1195.51	246.70	114.15
08/91	OS	7233.00	803.67	8036.67	2780.51	4284.77	884.20	87.19
09/91	FS	1008.00	112.00	1120.00	0.00	0.00	0.00	1120.00
09/91	OS	5376.21	597.36	5973.57	2083.77	3211.09	662.64	16.07
10/91	TS	1160.70	128.97	1289.66	416.685	642.112	132.51	98.36
11/91	TS	2153.68	239.30	2392.98	836.69	1289.34	266.07	0.88
12/91	TS	2288.31	254.26	2542.56	876.23	1350.27	278.64	37.42
01/92	TS	745.92	82.88	828.81	284.255	438.037	90.39	16.12
02/92	TS	1627.85	180.87	1808.72	613.985	946.151	195.25	53.34
03/92	TS	2080.33	231.15	2311.48	783.085	1206.734	249.02	72.64
04/92	TS	2704.57	300.51	3005.07	1032.66	1591.33	328.39	52.70
05/92	TS	4318.44	479.83	4798.27	1653.51	2548.07	525.82	70.87
N/A	TS (PAST DIRECTS AND PROFIT)	27098.26	3010.92	30109.18	0.00	0.00	9100.89	21008.29
N/A	CO-09	1842.29	204.70	2046.99	715.98	1103.33	227.68	0.00
N/A	CO-09	28576.60	3175.18	31751.78	N/A	N/A	N/A	0.00
N/A	CO-18	11179.13	1242.13	12421.25	0.00	0.00	0.00	12421.25
BC AUTHORIZED PAYMENTS:		$791,656.49	$87,961.83	$879,618.32	$277,267.31	$427,268.91	$97,271.31	$46,059.02
TASK 8 BUDGET:				$929,920.50	$314,580.48	$484,768.52	$100,036.59	$30,534.91
UNSPENT TASK 8 B LANCE:		$50,302.18						

NOTE: Figures are based on Bureau of Construction records and FIU adjustments are not shown.

LMS TASK 8 FUNDING SUMMARY

ORIGINAL CONTRACT ALLOWANCES

Direct Labor - $303,541.27

Indirect Cost - $467,757.10
(1.541 of direct labor)

Profit - $96,526.12
(0.318 of direct labor)

Other Direct Costs - $12,480.00
(for expenses, reimbursed on
a dollar for dollar basis)

TOTAL: $880,304.49

FINAL CONTRACT ALLOWANCES

Direct Labor - $314,580.48

Indirect Cost - $484,768.52
(1.541 of direct labor)

Profit - $100,036.59
(0.318 of direct labor)

Other Direct Costs - $30,534.91
(for expenses, reimbursed on
a dollar for dollar basis)

TOTAL: $929,920.50

CHANGE ORDER ADDITIONS

Direct Labor - $11,039.21

Indirect Cost - $17,011.42
(1.541 of direct labor)

Profit - $3,510.47
(0.318 of direct labor)

Other Direct Costs - $18,054.91
(for expenses, reimbursed on
a dollar for dollar basis)

TOTAL: $49,616.01

FINAL CONTRACT EXPENDITURES

Direct Labor - $277,267.31

Indirect Cost - $427,268.91
(1.541 of direct labor)

Profit - $97,271.31
(0.318 of direct labor)

Other Direct Costs - $46,059.02
(for expenses, reimbursed on
a dollar for dollar basis)

CO 9 LS Payment - $31,751.78

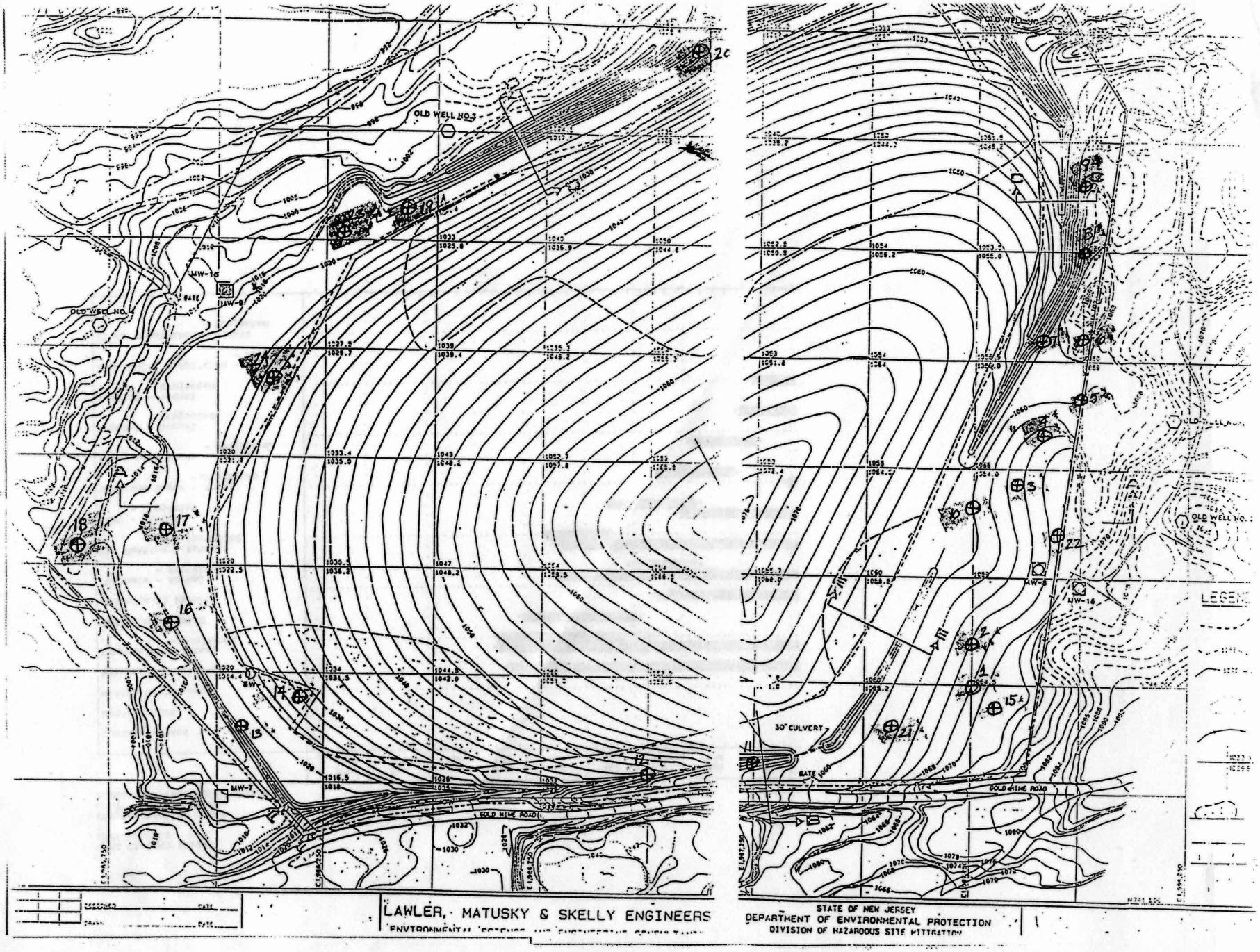
TOTAL: $879,618.33

LOCATIONS OF TEST PITS USED TO DETERMINE
THE EXTENT OF REFUSE OUTSIDE OF THE CAP

ATTACHMENT 4

LMS PIT #	DATE	COORDINATES NORTH	COORDINATES EAST	DEPTH (ft) T-PIT	DEPTH (ft) O.B.	DEPTH (ft) REFUSE
1	2-23-90	746,000	1,987,745	18	0	0
2	2-23-90	746,100	1,987,750	24	3	21
3	2-24-90	746,475	1,987,875	47	15	32
4	2-24-90	746,600	1,987,925	41	20	21
5	2-24-90	746,650	1,988,000	15	7	1
6	2-24-90	746,800	1,988,000	15	6	3
7	2-24-90	746,800	1,987,900	25	4	21
8	2-24-90	747,000	1,987,980	27	0	0
9	2-24-90	747,150	1,988,000	20	0	0
10	2-24-90	746,400	1,987,750	30	7	20
11	2-27-90	745,850	1,987,250	30	2	28 *
12	2-27-90	745,800	1,987,000	35	5	30 *
13	2-27-90	745,875	1,986,050	20	0	0
14	2-27-90	745,950	1,986,150	31	1	30 *
15	2-28-90	745,950	1,987,800	25	0	0
16	2-28-90	746,150	1,985,800	25	1	24
17	2-28-90	746,300	1,985,800	18	0	0
18	2-28-90	746,300	1,985,650	15	0	0
19	2-28-90	747,050	1,986,450	20	0	0
20	2-28-90	747,450	1,987,100	22	0	0
21	3-2-90	745,900	1,987,550	15	2	1
22	3-2-90	746,350	1,987,950	25	0	0
23	3-13-90	747,050	1,986,400	25	0	0
24	3-13-90	746,700	1,986,150	20	0	0

NOTE: "*" INDICATES THAT TEST PIT DID NOT REACH
THE BOTTOM OF THE REFUSE LAYER.



LAWLER, MATUSKY & SKELLY ENGINEERS

ENVIRONMENTAL SCIENCES AND ENGINEERING CONSULTANTS

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS SITE MITIGATION

CFNL CLOSOUT REPORT
ATTACHMENT 5

CONSTRUCTION SCHEDULE
CONTI PLANNED VERSES
ACTUAL CONSTRUCTION SCHEDULE